epitope tag can be separated from the protein by using a linker having, e.g., 1-n amino acids in length.

[000283] Examples: Mutated FAD-GDH. alpha subunit (α) Strain *B. cepacia*:

[000284] Examples of mutated FAD-GDHα proteins are disclosed in International Application Serial No. PCT/IB2015/002431, entitled "Compositions and Methods for Measuring Blood Glucose Levels", filed on December 4, 2015.

[000285] Example 1: FAD-GDHα was mutated to include the following point mutation: N215D as shown in SEQ ID NO: 105.

[000286] Example 2: FAD-GDHα was mutated to include the following point mutation: N215G as shown in SEQ ID NO: 106.

[000287] Example 3: FAD-GDHα was mutated to include the following point mutation: N215H as shown in SEQ ID NO: 107.

[000288] Example 4: FAD-GDHα was mutated to include the following point mutation: N215T as shown in SEQ ID NO: 108.

[000289] Example 5: FAD-GDHα was mutated to include the following point mutation: N215Y as shown in SEQ ID NO: 109.

[000290] Example 6: *B. cepacia* FAD-GDHα was mutated to include the following point mutation: N177S, N215S, F353L, F406L, as shown in SEQ ID NO:110.

[000291] Example 7: *B. lata* FAD-GDHα was mutated to include the following point mutation: N177S, N215S, F353L, F406L, as shown in SEQ ID NO: 111.

[000292] Example 8: *B. lata* FAD-GDHα was mutated to include the following point mutation: N215S, as shown in SEQ ID NO: 112.

[000293] Example 9: *B. lata* FAD-GDHα was mutated to include the following point mutation: N215T, as shown in SEQ ID NO: 113.

[000294] Example 10: *B. cepacia* FAD-GDHα was mutated to include the following point mutation: N177S, as shown in SEQ ID NO: 114.

[000295] Example 11: *B. lata* FAD-GDHα was mutated to include the following point mutation: N177S, as shown in SEQ ID NO: 115.

[000296] Example 12: *B. cepacia* FAD-GDHα was mutated to include the following point mutation: F353L, as shown in SEQ ID NO: 116.

[000297] Example 13: *B. lata* FAD-GDHα was mutated to include the following point mutation: F353L, as shown in SEQ ID NO: 117.

[000298] Example 14: *B. cepacia* FAD-GDHα was mutated to include the following point mutation: N177S, F406L, as shown in SEQ ID NO: 118.

[000299] Example 15: *B. lata* FAD-GDHα was mutated to include the following point mutation: N177S, F406L, as shown in SEQ ID NO: 119.

[000300] Example 16: *B. cepacia* FAD-GDHα was mutated to include the following point mutation: F353L, F406L, as shown in SEQ ID NO: 120.

[000301] Example 17: *B. lata* FAD-GDHα was mutated to include the following point mutation: F353L, F406L, as shown in SEQ ID NO: 121.

[000302] Example 18: *B. cepacia* FAD-GDHα was mutated to include the following point mutation: N215S, F406L, as shown in SEQ ID NO: 122.

[000303] Example 19: *B. lata* FAD-GDHα was mutated to include the following point mutation: N215S, F406L, as shown in SEQ ID NO: 123.

[000304] Example 20: *B. cepacia* FAD-GDHα was mutated to include the following point mutation: N177S, F353L, F406L, as shown in SEQ ID NO: 124.

[000305] Example 21: *B. lata* FAD-GDHα was mutated to include the following point mutation: N177S, F353L, F406L, as shown in SEQ ID NO: 125.

[000306] Example 22: *B. cepacia* FAD-GDHα was mutated to include the following point mutation: N177S, N215S, F406L, as shown in SEQ ID NO: 126.

[000307] Example 23: *B. lata* FAD-GDHα was mutated to include the following point mutation: N177S, N215S, F406L, as shown in SEQ ID NO: 127.

[000308] Example 24: *B. cepacia* FAD-GDHα was mutated to include the following point mutation: N215S, F353L, F406L, as shown in SEQ ID NO: 128.

[000309] Example 25: *B. lata* FAD-GDHα was mutated to include the following point mutation: N215S, F353L, F406L, as shown in SEQ ID NO: 129.

[000310] The proteins described in Examples 1-25 were generated according to the methods described in International Application Serial No. PCT/IB2015/002431, entitled "Compositions and Methods for Measuring Blood Glucose Levels", filed on December 4, 2015.

[000311] Table 2. Protein sequence of FAD-GDHγα from *B. cepacia* (SEQ ID NO: 1, 3-29) and *B. lata* (SEQ ID NO: 2) and DNA sequences of primers used for random mutagenesis via error prone PCR. Each protein sequence ends in a removable 6x-His tag.

SEQ ID	**Sequence**
SEQ ID NO:1	**Protein sequence ORF2（FADα）–*B. cepacia* Wild type** MADTDTQKADVVVVGSGVAGAIVAHQLAMAGKAVILLEAGPRMPRWEIVERF RNQPDKMDFMAPYPSSPWAPHPEYGPPNDYLILKGEHKFNSQYIRAVGGTTW HWAASAWRFIPNDFKMKSVYGVGRDWPIQYDDLEPYYQRAEEELGVWGPGP EEDLYSPRKQPYPMPPLPLSFNEQTIKTALNNYDPKFHVVTEPVARNSRPYDGRP TCCGNNNCMPICPIGAMYNGIVHVEKAERAGAKLIENAVVYKLETGPDKRIVAA LYKDKTGAEHRVEGKYFVLAANGIETPKILLMSANRDFPNGVANSSDMVGRNL MDHPGTGVSFYASEKLWPGRGPQEMTSLIGFRDGPFRATEAAKKIHLSNLSRID QETQKIFKAGKLMKPDELDAQIRDRSARYVQFDCFHEILPQPENRIVPSKTATDAI GIPRPEITYAIDDYVKRGAAHTREVYATAAKVLGGTDVVFNDEFAPNNHITGSTI MGADARDSVVDKDCRTFDHPNLFISSSATMPTVGTVNVTLTIAALALRMSDTLK KEVGSGSGHHHHHH*

	DELDAQIRDRSARYVQFDCFHEILPQPENRIVPSKTATDAIGIPRPEITYAIDDYVK RGAAHTREVYATAAKVLGGTDVVFNDEFAPNNHITGSTIMGADARDSVVDKDC RTFDHPNLFISSSATMPTVGTVNVTLTIAALALRMSDTLKKEVGSGSGHHHHHH
SEQ ID NO:109	**Protein sequence ORF2（FADα）–N215Y** MADTDTQKADVVVVGSGVAGAIVAHQLAMAGKAVILLEAGPRMPRWEIVERF RNQPDKMDFMAPYPSSPWAPHPEYGPPNDYLILKGEHKFNSQYIRAVGGTTW HWAASAWRFIPNDFKMKSVYGVGRDWPIQYDDLEPYYQRAEEELGVWGPGP EEDLYSPRKQPYPMPPLPLSFNEQTIKTALNNYDPKFHVVTEPVARNSRPYDGRP TCCG**Y**NNCMPICPIGAMYNGIVHVEKAERAGAKLIENAVVYKLETGPDKRIVAA LYKDKTGAEHRVEGKYFVLAANGIETPKILLMSANRDFPNGVANSSDMVGRNL MDHPGTGVSFYASEKLWPGRGPQEMTSLIGFRDGPFRATEAAKKIHLSNLSRID QETQKIFKAGKLMKPDELDAQIRDRSARYVQFDCFHEILPQPENRIVPSKTATDAI GIPRPEITYAIDDYVKRGAAHTREVYATAAKVLGGTDVVFNDEFAPNNHITGSTI MGADARDSVVDKDCRTFDHPNLFISSSATMPTVGTVNVTLTIAALALRMSDTLK KEVGSGSGHHHHHH
SEQ ID NO:110	**Protein sequence ORF2（FADα）– *B. cepacia* N177S，N215S，F353L，F406L mutant** MADTDTQKADVVVVGSGVAGAIVAHQLAMAGKAVILLEAGPRMPRWEIVERF RNQPDKMDFMAPYPSSPWAPHPEYGPPNDYLILKGEHKFNSQYIRAVGGTTW HWAASAWRFIPNDFKMKSVYGVGRDWPIQYDDLEPYYQRAEEELGVWGPGP EEDLYSPRKQPYPMPPLPLSF**S**EQTIKTALNNYDPKFHVVTEPVARNSRPYDGRP TCCG**S**NNCMPICPIGAMYNGIVHVEKAERAGAKLIENAVVYKLETGPDKRIVAA LYKDKTGAEHRVEGKYFVLAANGIETPKILLMSANRDFPNGVANSSDMVGRNL MDHPGTGVSFYASEKLWPGRGPQEMTSLIGFRDGP**L**RATEAAKKIHLSNLSRID QETQKIFKAGKLMKPDELDAQIRDRSARYVQFDC**L**HEILPQPENRIVPSKTATDAI GIPRPEITYAIDDYVKRGAAHTREVYATAAKVLGGTDVVFNDEFAPNNHITGSTI MGADARDSVVDKDCRTFDHPNLFISSSATMPTVGTVNVTLTIAALALRMSDTLK KEVGSGSGHHHHHH
SEQ ID NO:111	**Protein sequence ORF2（FADα）– *B. lata* N177S，N215S，F353L，F406L mutant** MADTDTQKADVVVVGSGVAGAIVAHQLAMAGKSVILLEAGPRMPRWEIVERF RNQVDKTDFMAPYPSSAWAPHPEYGPPNDYLILKGEHKFNSQYIRAVGGTTW HWAASAWRFIPNDFKMKTVYGVGRDWPIQYDDIEHYYQRAEEELGVWGPGP EEDLYSPRKEPYPMPPLPLSF**S**EQTIKSALNGYDPKFHVVTEPVARNSRPYDGRP TCCG**S**NNCMPICPIGAMYNGIVHVEKAEQAGAKLIDSAVVYKLETGPDKRITAA VYKDKTGADHRVEGKYFVIAANGIETPKILLMSANRDFPNGVANSSDMVGRNL MDHPGTGVSFYANEKLWPGRGPQEMTSLIGFRDGP**L**RANEAAKKIHLSNMSRI NQETQKIFKGGKLMKPEELDAQIRDRSARFVQFDC**L**HEILPQPENRIVPSKTATD AVGIPRPEITYAIDDYVKRGAVHTREVYATAAKVLGGTEVVFNDEFAPNNHITGA TIMGADARDSVVDKDCRAFDHPNLFISSSSTMPTVGTVNVTLTIAALALRMSDT LKKEVGSGSGHHHHHH