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(54) Title: MUTATED BETA-GLUCOCEREBROSIDASE WITH IMPROVED STABILITY

(57) Abstract: The present invention relates to a modified β -Glucocerebrosidase (GCase) polypeptide and a polynucleotide comprising a modified glucocerebrosidase (GBA) nucleotide sequence. The invention further relates to a viral particle comprising a recombinant genome comprising the polynucleotide of the invention, and a composition comprising the modified GCase polypeptide, polynucleotide, or viral particle of the invention. The invention also relates to methods of using, and uses of, the modified GCase polypeptide, polynucleotide, viral particle and/or composition of the invention. The invention further relates to the modified GCase polypeptide, polynucleotide, viral particle, or composition of the invention for use in a method of treatment, or use in the manufacture of a medicament for use in a method of treatment.



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