

NOVEL COELENTERAZINE SUBSTRATES AND METHODS OF USE

ABSTRACT

An isolated polynucleotide encoding a modified luciferase polypeptide and novel coelenterazine- based substrates. The OgLuc variant polypeptide has at least 60% amino acid sequence identity to SEQ ID NO: 1 and at least one amino acid substitution at a position corresponding to an amino acid in SEQ ID NO: 1. The OgLuc variant polypeptide has at least one of enhanced luminescence, enhanced signal stability, and enhanced protein stability relative to the corresponding polypeptide of the wild-type *Oplophorus* luciferase.

No Suitable Figure