

Recombinant Mouse Edn3 Protein, His&GST-tagged

Cat. No. Edn3-1404M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Edn3 Protein (Ala17-Pro214) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala17-Pro214
Description	<p>This gene is a member of the endothelin family whose members encode proteins that act on G protein-coupled receptors. Endothelins are produced as large prepropolypeptide precursors that undergo a first cleavage by a subtilisin serine protease to form an inactive intermediate, which in turn is cleaved again by endothelin-converting enzyme 1 (ECE-1) to yield the active 21 amino acid peptide. This gene encodes a protein which is expressed in neural crest cells (NCC), binds to endothelin receptor b (Ednrb) and plays an essential role in the development of NCC-derived cell lineages including melanocytes and enteric neurons. Mutations in this gene are associated with terminal aganglionosis and white spotted coat in mice and Hirschsprung's disease and Waardenburg syndrome in humans.</p>
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.6 kDa Accurate Molecular Mass: 52 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Edn3 endothelin 3 [Mus musculus (house mouse)]
Official Symbol	Edn3
Synonyms	EDN3; endothelin 3; endothelin-3; ET-3; PPET3; lethal spotting; preproendothelin-3; ls; tmgc48; 114CH19; 114-CH19;
Gene ID	13616
mRNA Refseq	NM_007903
Protein Refseq	NP_031929

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UniProt ID

P48299

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