

Recombinant Mouse Edn1 protein, His-tagged

Cat. No. Edn1-594M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Edn1(Glu33~His202) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu33~His202
Description	This gene encodes a member of the endothelin family of peptides. The encoded preproprotein undergoes proteolytic processing to generate a peptide before secretion by the vascular endothelial cells. The mature peptide has various biological activities such as vasoconstriction, cell proliferation, stimulation of hormone release and modulation of central nervous activity. Mice lacking the encoded protein exhibit neonatal lethality accompanied with numerous craniofacial and cardiovascular defects due to disruption in cranial and cardiac neural crest cell patterning during early embryogenesis.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	21.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 90%

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Applications	SDS-PAGE; WB; ELISA; IP.
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.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Edn1 endothelin 1 [Mus musculus]
Official Symbol	Edn1
Synonyms	EDN1; endothelin 1; endothelin-1; PPET1; preproendothelin; preproendothelin-1; ET-1; preproET;
Gene ID	13614
mRNA Refseq	NM_010104
Protein Refseq	NP_034234
MIM	
UniProt ID	P22387
Chromosome	13 A4; 13 20.82 cM

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Location	
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Melanogenesis, organism-specific biosystem; Melanogenesis, conserved biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem;
Function	cytokine activity; endothelin A receptor binding; endothelin A receptor binding; endothelin B receptor binding; hormone activity; protein binding; receptor binding;

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