

Recombinant Mouse Edn1 Protein, Myc/DDK-tagged

Cat. No. Edn1-2729M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length endothelin 1 (Edn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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.
Molecular Mass	22.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Edn1 endothelin 1 [Mus musculus (house mouse)]
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Official Symbol	Edn1
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Synonyms	EDN1; endothelin 1; endothelin-1; PPET1; preproendothelin; preproendothelin-1; ET-1; preproET
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Gene ID	13614
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mRNA Refseq	NM_010104
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Protein Refseq	NP_034234
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UniProt ID	P22387
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