

## 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

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Edn1 endothelin 1 [ Mus musculus (house mouse) ]

**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

**UniProt ID** P22387

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