

## Recombinant Human EDN1 protein, MYC/DDK-tagged

Cat. No. EDN1-245H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Product Overview | Recombinant Human EDN1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                            |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Description      | This gene encodes a preproprotein that is proteolytically processed to generate a secreted peptide that belongs to the endothelin/sarafotoxin family. This peptide is a potent vasoconstrictor and its cognate receptors are therapeutic targets in the treatment of pulmonary arterial hypertension. Aberrant expression of this gene may promote tumorigenesis. Alternative splicing results in multiple transcript variants. |
| Form             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                           |
| Molecular Mass   | 22.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purity           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                     |
| Concentration    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                |

### GENE INFORMATION

|           |                                    |
|-----------|------------------------------------|
| Gene Name | EDN1 endothelin 1 [ Homo sapiens ] |
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| <b>Official Symbol</b>     | <a href="#">EDN1</a>                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>            | EDN1; endothelin 1; endothelin-1; ET1; preproendothelin-1; PPET1; HDLCQ7;                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene ID</b>             | <a href="#">1906</a>                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>         | <a href="#">NM_001955</a>                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | <a href="#">NP_001946</a>                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | <a href="#">P05305</a>                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 6p24.1                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Pathway</b>             | Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; EGFR-dependent Endothelin signaling events, organism-specific biosystem; Endothelins, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; |
| <b>Function</b>            | cytokine activity; endothelin A receptor binding; endothelin B receptor binding; endothelin B receptor binding; hormone activity;                                                                                                                                                                                                                                                                                                  |