

Recombinant Human EDN1 protein, MYC/DDK-tagged

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

SPECIFICATION

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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Official Symbol	EDN1
Synonyms	EDN1; endothelin 1; endothelin-1; ET1; preproendothelin-1; PPET1; HDLCQ7;
Gene ID	1906
mRNA Refseq	NM_001955
Protein Refseq	NP_001946
MIM	
UniProt ID	P05305
Chromosome Location	6p24.1
Pathway	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;
Function	cytokine activity; endothelin A receptor binding; endothelin B receptor binding; endothelin B receptor binding; hormone activity;

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