

Recombinant Human EDN2, His-tagged

Cat. No. EDN2-7557H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EDN2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	25-178aa
Antigen Description	EDN2 is a member of the endothelin protein family of secretory vasoconstrictive peptides. The preproprotein is processed to a short mature form which functions as a ligand for the endothelin receptors that initiate intracellular signaling events. This protein is involved in a wide range of biological processes, such as hypertension and ovulation.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Molecular Mass	19.9 kDa (177aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSQAAATLE QPASSSHAQG THLRLRRCSC SSWLDKECVY FCHLDIIVVN TPEQTAPYGL GNPPRRRRRS LPRRCQCSSA RDPACATFCL RRPWTEAGAV PSRKSPADV FQTGKTGATTG ELLQRLRDIS TVKSLFAKRQ QEAMREPRST HSRWRKR
Purity	>85% as determined by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml
GENE INFORMATION	
Gene Name	EDN2 endothelin 2 [Homo sapiens]
Official Symbol	EDN2
Synonyms	EDN2; endothelin 2; endothelin-2; ET2; ET-2; preproendothelin 2; preproendothelin-2; PPET2;
Gene ID	1907
mRNA Refseq	NM_001956
Protein Refseq	NP_001947
MIM	131241
UniProt ID	P20800
Chromosome Location	1p34
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; Endothelins, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream

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signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem;

Function

endothelin B receptor binding; hormone activity;

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