Recombinant human Endothelin 2/EDN2 protein

Catalog Number: ATGP2001

PRODUCT INFORMATION

Expression system
E.coli

Domain
25-178aa

UniProt No.
P20800

NCBI Accession No.
NP_001947

Alternative Names
Endothelin 2, ET2, PPET2

PRODUCT SPECIFICATION

Molecular Weight
19.9 kDa (177aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human EDN2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

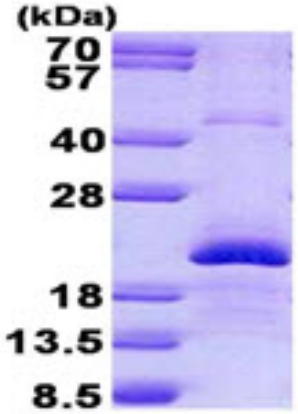
MGSSHHHHHH SSGLVPRGSH MGSQAAATLE QPASSSHAQG THLRLRRCSC SSWLDKECVY FCHLDIIWVN TPEQTAPYGL GNPPRRRRRS LPRRCQCSSA RDPACATFCL RRPWTEAGAV PSRKSPADVF QTGKTGATTG ELLQRLRDIS TVKSLFAKRQ QEAMREPRST HSRWRKR

General References

Bourgeois C., et al. (1997) J. Clin. Endocrinol. Metab. 82:3116-3123
Ohkubo S., et al. (1990) FEBS Lett. 274:136-140

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.