

Endothelin-1/EDN1 Protein, Human, Recombinant (GST)

General Information

Synonyms:	Endothelin-1;EDN1;Preproendothelin-1 (PPET1)
Protein Construction:	53-73 aa
Species:	Human
Expression Host:	E. coli
Accession:	P05305
Molecular Weight:	29.5 kDa (predicted)
AA Sequence:	CSCSSLMDKECVYFCHLDIIW

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized EDNRB at 5 µg/mL can bind human EDN1 with a linear range of 6.25-25.00 µg/mL.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Endothelins are endothelium-derived vasoconstrictor peptides. Probable ligand for G-protein coupled receptors EDNRA and EDNRB which activates PTK2B, BCAR1, BCAR3 and, GTPases RAP1 and RHOA cascade in glomerular mesangial cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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