Recombinant EDN2 protein (His tag)

Catalog Number	546830
Synonyms	ET-2; Preproendothelin-2; PPET2
Species	Human
Expression System	E. coli
Accession	P20800
Molecular Weight	Predictes a molecular mass of 21.61 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	1-178
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 1-178 aa (P20800) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Endothelin-2 (ET-2) Fragment (aa 1-178) - A high-quality, stable protein fragment ideal for structural biology and functional studies of this important vasoconstrictor peptide. Endothelins are potent endothelium-derived vasoconstrictor peptides that play crucial roles in vascular biology. The full-length Endothelin-2 protein functions as a key regulator of blood vessel constriction and cardiovascular homeostasis. As a secreted protein, ET-2 acts through paracrine signaling mechanisms to influence vascular tone and blood pressure regulation. This recombinant fragment represents a computationally optimized, soluble unit that maintains structural integrity for research applications investigating endothelin-mediated pathways.