

Human Endothelin-3

Item Number	rAP-2519
Synonyms	EDN3, EDN-3, ET-3, ET3, WS4B, HSCR4, MGC15067, MGC61498, Endothelin-3, Preproendothelin-3, PPET3.
Description	EDN3 contains 21 amino acids having a molecular mass of 2643.08 Dalton, and the molecular formula is: C ₁₂₁ H ₁₆₈ N ₂₆ O ₃₃ S ₄ . Disulfide bonds between cys-1 and cys-15 + cys-3 and cys-11.
Uniprot Accession Number	P14138
Amino Acid Sequence	H-Cys-Thr-Cys-Phe-Thr-Tyr-Lys-Asp-Lys-Glu-Cys-Val-Tyr-Tyr-Cys-His-Leu-Asp-Ile-Ile-Trp-OH.
Source	
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized EDN3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EDN3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The protein (1mg/ml) was lyophilized with no additives. Greater than 97.0% as determined by RP-HPLC.
Application	
Solubility	It is recommended to reconstitute the lyophilized EDN3 in sterile Acetic Acid not less than 0.5mg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**