9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

EDN3

Human Endothelin-3
HRM0023

Product Overview

Name	EDN3
Description	
Human Endothelin-3	
Accession (Primary)	P14138
Synonyms	
EDN3, EDN-3, ET-3, ET3, WS4B, HSCR4, MGC15067, MGC61498, Endothelin-3, Preproendothelin-3, PPET3.	
Introduction	
EDN3 interacts with endothelin receptor B, on the surface of cells. Throughout embryonic development, EDN3 takes part in neural crest cells that migrate from the developing spinal cord to specific regions in the embryo, where they give rise to many different types of cells. EDN3 and EDN3R are necessary for the formation of nerves in the large intestine (enteric nerves) and melanocytes (produce melanin). Mutations in the EDN3 gene is linked with Waardenburg syndrome, type IV that is characterized by changes in skin, hair, and eye coloring. Mutations in the EDN3 gene is linked with Hirschsprung disease that causes severe constipation or intestinal blockage.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein (1mg/ml) was lyophilized with no additives.	
Stability	
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.	
Purity	
Greater than 97.0% as determined by RP-HPLC.	
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.	
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.	

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Peptide Content

88%.

Precautions

EDN3 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P14138)