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32-2018: EDN3 Protein

Alternative Name : EDN3,EDN-3,ET-3,ET3,WS4B,HSCR4,MGC15067,MGC61498,Endothelin-3,Preproendothelin-3,PPET3.

Description

Source : EDN3 contains 21 amino acids having a molecular mass of 2634.1 Dalton. 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.

Product Info

Amount :	1.0 mg / 5 mg
Purification :	Greater than 95.0% as determined by RP-HPLC.
Content :	The protein (1mg/ml) was lyophilized with no additives.
Storage condition :	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.
Amino Acid :	H-Cys-Thr-Cys-Phe-Thr-Tyr-Lys-Asp-Lys-Glu-Cys-Val-Tyr-Tyr-Cys-His-Leu-Asp-Ile-Ile-Trp-OH.

Application Note

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.