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32-6620: EDN3 Human

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

Description

Sterile filtered colorless solution.
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
EDN3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 236 amino acids (26-238 a.a) and having a molecular mass of 25.2kDa.EDN3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 85.0% as determined by RP-HPLC.
Content :	EDN3 protein solution (0.25mg/ml) in Phosphate buffered saline (pH7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSGDAGRRG VSQAPTAARS EGDCEETVAG PGEETVAGPG EGTVAPTALQ GPSPGSPGQE QAAEGAPEHH RSRRCTCFTY KDKECVYYCH LDIIWINTPE QTVPYGLSNY RGSFRGKRSA GPLPGNLQLS HRPHLRCACV GRYDKACLHF CTQTLDVSSN SRTAEKTDKE EEGKVEVKDQ QSKQALDLHH PKLMPGSGLA LAPSTCPRCL FQEGAP.

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