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

EDN3 Human

Endothelin-3 Human Recombinant
HRM0024

Product Overview

Name	EDN3 Human
Description	
Endothelin-3 Human Recombinant	
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 colorless solution.	
Formulation	
EDN3 protein solution (0.25mg/ml) in Phosphate buffered saline (pH7.4) and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 85.0% as determined by RP-HPLC.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS GDAGRRG VSQAPTAARS EGDCEETVAG PGEETVAGPG EGTVAPTALQ GPSPGSPGQE QAAEGAPEHH RSRRCTCFTY KDKECVYYCH LDIIWINTPE QTVPYGLSNY RGSFRGKRSA GPLPGNLQLS HRPHLRCACV GRYDKACLHF CTQTLDVSSN SRTAEKTDKE EEGKVEVKDQ QSKQALDLHH PKLMPGSGLA LAPSTCPRCL FQEGAP.	
Precautions	

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

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

Target Information: (P14138)