
Product Data Sheet

Product Name: EDN3 Human
 Cat. No.: GP21241
 Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EDN3; EDN-3; ET-3; ET3; WS4B; HSCR4; MGC15067; MGC61498; Endothelin-3; Preproendothelin-3; PPET3.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSGDAGRRG VSQAPTAARS EGDCEETVAG PGEETVAGPG EGTVAPTALQGSPGSPGQE QAAEGAPEHH RSRRCTCFTY KDKECVYYCH LDIIWINTPE QTVPYGLSNY RGSFRGKRSAGPLPGNLQLS HRPHLRCACV GRYDKACLHF CTQTLDVSSN SRТАEKTDKE EEGKVEVKDQ QSKQALDLHHPKLMPSGLA LAPSTCPRCL FQEGAP.		
Formulation	EDN3 protein solution (0.25mg/ml) in Phosphate buffered saline (pH7.4) and 10% glycerol.		

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

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA