

Recombinant Full Length Human EDN3 Protein, GST-tagged

Cat. No. EDN3-4201HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EDN3 full-length ORF (AAH08876, 1 a.a. - 238 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	238 amino acids
Description	The protein encoded by this gene is a member of the endothelin family. Endothelins are endothelium-derived vasoactive peptides involved in a variety of biological functions. The active form of this protein is a 21 amino acid peptide processed from the precursor protein. The active peptide is a ligand for endothelin receptor type B (EDNRB). The interaction of this endothelin with EDNRB is essential for development of neural crest-derived cell lineages, such as melanocytes and enteric neurons. Mutations in this gene and EDNRB have been associated with Hirschsprung disease (HSCR) and Waardenburg syndrome (WS), which are congenital disorders involving neural crest-derived cells. Altered expression of this gene is implicated in tumorigenesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]
Molecular Mass	51.92 kDa
AA Sequence	MEPGLWLLFGLTVTSAAGFVPCSQSGDAGRRGVSQAPTAARSEGDCEETVAGPGE ETVAGPGEGTVAPTALQGPSPGSPGQEQAEGAPEHHRSRRCTCFTYKDKCEVYY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CHLDIIWINTPEQTPYGLSNYRGSFRGKRSAGPLPGNLQLSHRPHLRACVGRYD
KACLFHCTQTLDVSSNSRTAEKTDKEEEGKVEVKDQQSKQALDLHHPKLMPGSGLA
LAPSTCPRCLFQEGAP

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

EDN3 endothelin 3 [Homo sapiens]

Official Symbol

EDN3

Synonyms

EDN3; endothelin 3; endothelin-3; ET3; preproendothelin-3; ET-3; WS4B; HSCR4;
PPET3; MGC15067; MGC61498;

Gene ID

1908

mRNA Refseq

NM_000114

Protein Refseq

NP_000105

MIM

131242

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UniProt ID

P14138

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