

Recombinant Human EDN3 Protein, GST-tagged

Cat. No. EDN3-3056H **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	Wheat Germ
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	MEPGLWLLFGLTVTSAAGFVPCSQSGDAGRGRVVSQAPTAARSEGDCEETVAGPGE ETVAGPGEGTVAPTALQGPSPGSPGQEQAEGAPEHHRSRRCTCFTYKDKECVYY CHLDIIWINTPEQTPYGLSNYRGSFRGKRSAGPLPGNLQLSHRPHLRACVGRYD

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	KACLFHFCTQTLDVSSNSRTAEKTDKEEEGKVEVKDQQSKQALDLHHPKLMPGSGLA 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

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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