

# Recombinant Full Length Human EDN3 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human EDN3 full-length ORF ( AAH08876, 1 a.a. - 238 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	238 amino acids
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	51.92 kDa
<b>AA Sequence</b>	MEPGLWLLFGLTVTSAAGFVPCSQSGDAGRRGVSQAPTAARSEGDCEETVAGPGE ETVAGPGEGTVAPTALQGPSPGSPGQEQAEGAPEHRSRRCTCFTYKDKCEVYY

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CHLDIIWINTPEQTVPYGLSNYRGSFRGKRSAGPLPGNLQLSHRPHLRACACVGRYD  
 KACLFHCTQTLDVSSNSRTAEKTDKEEEGKVEVKDQQSKQALDLHHPKLMPGSGLA  
 LAPSTCPRCLFQEGAP

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	EDN3 endothelin 3 [ Homo sapiens ]
<b>Official Symbol</b>	EDN3
<b>Synonyms</b>	EDN3; endothelin 3; endothelin-3; ET3; preproendothelin-3; ET-3; WS4B; HSCR4; PPET3; MGC15067; MGC61498;
<b>Gene ID</b>	1908
<b>mRNA Refseq</b>	NM_000114
<b>Protein Refseq</b>	NP_000105
<b>MIM</b>	131242

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UniProt ID

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