Recombinant Full Length Human MFNG Protein, GST-tagged

Cat. No. MFNG-6198HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MFNG full-length ORF (NP_002396.2, 1 a.a. - 321 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	321 amino acids
Description	This gene is a member of the fringe gene family which also includes Radical and Lun atic fringe. They all encode evolutionarily conserved secreted proteins that act in the Notch receptor pathway to demarcate boundaries during embryonic development. Wh ile their genomic structure is distinct from other glycosyltransferases, fringe proteins h ave a fucose-specific beta1,3 N-acetylglucosaminyltransferase activity that leads to el ongation of O-linked fucose residues on Notch, which alters Notch signaling. [provide d by RefSeq
Molecular Mass	62.6 kDa
AA Sequence	MQCRLPRGLAGALLTLLCMGLLCLRYHLNLSPQRVQGTPELSQPNPGPPKLQLHDV FIAVKTTRAFHRLRLELLLDTWVSRTREQTFVFTDSPDKGLQERLGSHLVVTNCSAE HSHPALSCKMAAEFDTFLASGLRWFCHVDDDNYVNPRALLQLLRAFPLARDVYVGR PSLNRPIHASEPQPHNRTRLVQFWFATGGAGFCINRKLALKMAPWASGSRFMDTSA LIRLPDDCTMGYIIECKLGGRLQPSPLFHSHLETLQLLRTAQLPEQVTLSYGVFEGKL NVIKLQGPFSPEEDPSRFRSLHCLLYPDTPWCPQLGAR

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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	MFNG MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [Homo sapiens]
Official Symbol	MFNG
Synonyms	MFNG; MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase; manic fringe (Drosophila) homolog , manic fringe homolog (Drosophila); beta-1,3-N-acetylglucosaminyltransferase manic fringe; O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase;
Gene ID	4242
mRNA Refseq	NM_001166343
Protein Refseq	NP_001159815
MIM	602577

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UniProt ID	O00587

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