

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

Protein Length 321 amino acids

Description This gene is a member of the fringe gene family which also includes Radical and Lunatic fringe. They all encode evolutionarily conserved secreted proteins that act in the Notch receptor pathway to demarcate boundaries during embryonic development. While their genomic structure is distinct from other glycosyltransferases, fringe proteins have a fucose-specific beta1,3 N-acetylglucosaminyltransferase activity that leads to elongation of O-linked fucose residues on Notch, which alters Notch signaling. [provided by RefSeq]

Molecular Mass 62.6 kDa

AA Sequence MQCRLPRGLAGALLTLLCMGLLCLRYHLNLSPQRVQGTPELSQPNGPPKLQLHDV
 FIAVKTTTRAFHRLRLELLLDTWVSRTREQTFVFTDSPDKGLQERLGSHLVVTNCSAE
 HSHPALSCKMAAEFDFTFLASGLRWFCHVDDDNVYNPRALLQLLRAFPLARDVYVGR
 PSLNRPIHASEPQPHNRTRLVQFWFATGGAGFCINRKLALKMAPWASGSRFMDTSA
 LIRLPDDCTMGYIIECKLGGRLQPSPLFHSLETQLLRTAQLPEQVTL SYGVFEGKL
 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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