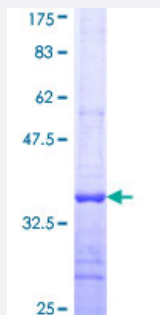


MFNG (Human) Recombinant Protein (Q01)

Catalog # H00004242-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MFNG partial ORF (NP_002396, 214 a.a. - 291 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	WASGSRFMDTSALIRLPDDCTMGYIECKLGGRLQPSPLFHSHLETQLLRTAQLPEQVTLSTYGVF EGKLNVIKLQGP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.32
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — MFNG

Entrez GeneID [4242](#)

GeneBank Accession# [NM_002405](#)

Protein Accession# [NP_002396](#)

Gene Name MFNG

Gene Alias -

Gene Description MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase

Omim ID [602577](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase|OTTHUMP00000043697|OTTHUMP0000043698|OTTHUMP00000043700|beta-1,3-N-acetylglucosaminyltransferase manic fringe|manic fringe homolog

Pathway

- [Notch signaling pathway](#)

Disease

- [Asthma](#)