

Datasheet for ABIN7562236

Manic Fringe Protein (AA 1-321) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Manic Fringe (MFNG)
Protein Characteristics:	AA 1-321
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Manic Fringe protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mfng Protein expressed in mammalien cells.
Sequence:	MHCRLFRGMA GALFTLLCVG LLSLRVHSSL SQRMIIQGALR LNQRNPGPLE LQLGDIFIAV KTTWAFHRSR LDLLLDTWVS RIRQQTFIFT DSPDERLQER LGPHLVVTNC SAEHSHPAL CKMAAEFADF LVSGLRWFCH VDDDNVYNPK ALLQLLKTFP QDRDVYVGKP SLNRPIHASE LQSKNRTKLV RFWFATGGAG FCINRQLALK MVPWASGSHF VDTSALIRLP DDCTVGYIIE CKLGGRLQPS PLFHSHLET LQLGAAQLPE QVTL SYGVFE GKLNVIKLPG PFSHEEDPSR FRSLHCLLYP DTPWCPLLA P Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.
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Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	Manic Fringe (MFNG)
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Alternative Name:	Mfng (MFNG Products)
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Background:	Beta-1,3-N-acetylglucosaminyltransferase manic fringe (EC 2.4.1.222) (O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase),FUNCTION: Glycosyltransferase that initiates the elongation of O-linked fucose residues attached to EGF-like repeats in the extracellular domain of Notch molecules (PubMed:10935626). Modulates NOTCH1 activity by modifying O-fucose residues at specific EGF-like domains resulting in inhibition of NOTCH1 activation by JAG1 and enhancement of NOTCH1 activation by DLL1 via an increase in its binding to DLL1 (PubMed:10935626, PubMed:28089369). {ECO:0000269 PubMed:10935626, ECO:0000269 PubMed:28089369}.
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Molecular Weight:	36.2 kDa
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UniProt:	O09008
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Pathways:	Notch Signaling
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
