Datasheet for ABIN7547786

FUT6 Protein (AA 1-359) (His tag)

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Overview

Quantity:	1 mg
Target:	FUT6
Protein Characteristics:	AA 1-359
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FUT6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat FUT6 Protein expressed in mammalien cells.
Sequence:	MDPLGPAKPQ WSWRCCLTTL LFQLLMAVCF FSYLRVSQDD PTVYPNGSRF PDSTGTPAHS IPLILLWTWP FNKPIALPRC SEMVPGTADC NITADRKVYP QADAVIVHHR EVMYNPSAQL PRSPRRQGQR WIWFSMESPS HCWQLKAMDG YFNLTMSYRS DSDIFTPYGW LEPWSGQPAH PPLNLSAKTE LVAWAVSNWG PNSARVRYYQ SLQAHLKVDV YGRSHKPLPQ GTMMETLSRY KFYLAFENSL HPDYITEKLW RNALEAWAVP VVLGPSRSNY ERFLPPDAFI HVDDFQSPKD LARYLQELDK DHARYLSYFR WRETLRPRSF SWALAFCKAC WKLQEESRYQ TRGIAAWFT **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:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalien 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
Grade:	custom-made

Target Details

Target:	FUT6
Alternative Name:	FUT6 (FUT6 Products)
Background:	4-galactosyl-N-acetylglucosaminide 3-alpha-L-fucosyltransferase FUT6 (EC 2.4.1.152) (Fucosyltransferase 6) (Fucosyltransferase VI) (Fuc-TVI) (FucT-VI) (Galactoside 3-L-fucosyltransferase),FUNCTION: [Isoform 1]: Catalyzes the transfer of L-fucose, from a guanosine diphosphate-beta-L-fucose, to the N-acetyl glucosamine (GlcNAc) of a distal alpha2,3 sialylated lactosamine unit of a glycoprotein- or a glycolipid-linked sialopolylactosamines chain or of a distal or internal lactosamine unit of a neutral glycoprotein- or a glycolipid-linked polylactosamines chain through an alpha-1,3 glycosidic linkage and participates in surface expression of the sialyl Lewis X (sLe(x)), Lewis X (Le(x)) and non sialylated VIM2 determinants (PubMed:9451035, PubMed:1520296, PubMed:1339443, PubMed:7650030, PubMed:17604274, PubMed:9363434, PubMed:10728707, PubMed:29593094). Moreover transfers fucose to H-type 2 (Fucalpha1-2Galbeta1-4GlcNAc) chain acceptor substrates and participates in difucosylated sialyl Lewis x determinants (PubMed:17604274, PubMed:1339443). Also fucosylates a polylactosamine substrate having a 6 sulfate modification at the GlcNAc moiety and gives rise to sialyl and non-sialyl 6-sulfo lewis X

Target Details

	(PubMed:10728707). Does not have activity towards type 1 ((Galbeta1-3GlcNAc)) and H-type 1 chain (Fucalpha1-2Galbeta1-3GlcNAc) acceptors substrates (PubMed:1339443, PubMed:17604274, PubMed:9363434). {ECO:0000269|PubMed:10728707, ECO:0000269|PubMed:1339443, ECO:0000269|PubMed:1520296, ECO:0000269|PubMed:17604274, ECO:0000269|PubMed:7650030, ECO:0000269|PubMed:9363434, ECO:0000269|PubMed:9451035}., FUNCTION: [Isoform 2]: Does not have alpha(1,3)-fucosyltransferase activity. {ECO:0000269|PubMed:7650030}.
Molecular Weight:	41.9 kDa
UniProt:	P51993

Application Details

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