

Datasheet for ABIN7547785  
**FUT1 Protein (AA 1-365) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FUT1
Protein Characteristics:	AA 1-365
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FUT1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant FUT1 Protein expressed in mammalian cells.
Sequence:	MWLRSHRQLC LAFLLCVLS VIFFLHIHQD SFPHGLGLSI LCPDRRLVTP PVAIFCLPGT AMGPNASSSC PQHPASLSGT WTVYPNGRFG NQMGQYATLL ALAQLNGRRA FILPAMHAAL APVFRITLPV LAPEVDSRTP WRELQLHDWM SEEYADLRDP FLKLSGFPCS WFFFHHLREQ IRREFTLHDH LREEAQSVLG QLRLGRTGDR PRTFVGVHVR RGDYLQVMPQ RWKGVVGDSA YLRQAMDWFR ARHEAPVFVW TSNMGMEWCKE NIDTSQGDVT FAGDGQEATP WKDFALLTQC NHTIMTIGTF GFWAAYLAGG DTVYLANFTL PDSEFLKIFK PEAFLPEWV GINADLSPLW TLAKP <b>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.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- 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.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	FUT1
Alternative Name:	FUT1 ( <a href="#">FUT1 Products</a> )
Background:	<p>Galactoside alpha-(1,2)-fucosyltransferase 1 (Alpha(1,2)FT 1) (Blood group H alpha 2-fucosyltransferase) (Fucosyltransferase 1) (GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 1) (Type 1 galactoside alpha-(1,2)-fucosyltransferase FUT1) (EC 2.4.1.69) (Type 2 galactoside alpha-(1,2)-fucosyltransferase FUT1) (EC 2.4.1.344),FUNCTION: Catalyzes the transfer of L-fucose, from a guanosine diphosphate-beta-L-fucose, to the terminal galactose residue of glycoconjugates through an alpha(1,2) linkage leading to H antigen synthesis that is an intermediate substrate in the synthesis of ABO blood group antigens (PubMed:2118655). H antigen is essential for maturation of the glomerular layer of the main olfactory bulb, in cell migration and early cell-cell contacts during tumor associated angiogenesis (PubMed:18205178). Preferentially fucosylates soluble lactose and to a lesser extent fucosylates glycolipids gangliosides GA1 and GM1a (By similarity).</p> <p>{ECO:0000250 UniProtKB:O09160, ECO:0000269 PubMed:18205178, ECO:0000269 PubMed:2118655}.</p>
Molecular Weight:	41.3 kDa

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## Target Details

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UniProt: [P19526](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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