Datasheet for ABIN7547836

FUT10 Protein (AA 1-479) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	FUT10
Protein Characteristics:	AA 1-479
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FUT10 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat FUT10 Protein expressed in mammalien cells.
Sequence:	MVRIQRRKLL ASCLCVTATV FLLVTLQVMV ELGKFERKEF KSSSLQDGHT KMEEAPTHLN SFLKKEGLTF NRKRKWELDS YPIMLWWSPL TGETGRLGQC GADACFFTIN RTYLHHHMTK AFLFYGTDFN IDSLPLPRKA HHDWAVFHEE SPKNNYKLFH KPVITLFNYT ATFSRHSHLP LTTQYLESIE VLKSLRYLVP LQSKNKLRKR LAPLVYVQSD CDPPSDRDSY VRELMTYIEV DSYGECLRNK DLPQQLKNPA SMDADGFYRI IAQYKFILAF ENAVCDDYIT EKFWRPLKLG VVPVYYGSPS ITDWLPSNKS AILVSEFSHP RELASYIRRL DSDDRLYEAY VEWKLKGEIS NQRLLTALRE RKWGVQDVNQ DNYIDAFECM VCTKVWANIR LQEKGLPPKR WEAEDTHLSC PEPTVFAFSP LRTPPLSSLR EMWISSFEQS KKEAQALRWL VDRNQNFSSQ EFWGLVFKD **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.**

Product Details

Characteristics:	Key Benefits: • 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:	FUT10
Alternative Name:	FUT10 (FUT10 Products)
Background:	Alpha-(1,3)-fucosyltransferase 10 (EC 2.4.1.-) (Fucosyltransferase X) (Fuc-TX) (FucT-X) (Galactoside 3-L-fucosyltransferase 10) (Fucosyltransferase 10),FUNCTION: Predominantly fucosylates the innermost N-acetyl glucosamine (GlcNAc) residue in biantennary N-glycan acceptors. Postulated to generate core alpha(1->3)-fucose epitope within the chitobiose unit of biantennary N-glycans, providing for a recognition signal to reorient aberrantly folded glycoproteins for degradation (PubMed:19088067). Involved in biosynthesis of Lewis X-carrying biantennary N-glycans that regulate neuron stem cell self-renewal during brain development (By similarity). {ECO:0000250|UniProtKB:Q5F2L2, ECO:0000269|PubMed:19088067}., FUNCTION: [Isoform 1]: Catalyzes the transfer of fucosyl moiety from GDP-beta-L-fucose to the innermost GlcNAc residue in biantennary N-glycan acceptors. Does not fucosylate GlcNAc within type 2 lactosamine unit. {ECO:0000269|PubMed:19088067}., FUNCTION: [Isoform 4]: Catalyzes the transfer of fucosyl moiety from GDP-beta-L-fucose to the innermost GlcNAc residue in biantennary N-glycan acceptors. Does not fucosylate GlcNAc within type 2 lactosamine unit.

Target Details

	{ECO:0000269|PubMed:19088067}., FUNCTION: [Isoform 5]: Catalyzes the transfer of fucosyl moiety from GDP-beta-L-fucose to the innermost GlcNAc residue in biantennary N-glycan acceptors. Does not fucosylate GlcNAc within type 2 lactosamine unit. {ECO:0000269|PubMed:19088067}.
Molecular Weight:	56.1 kDa
UniProt:	Q6P4F1

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