

Datasheet for ABIN7556963
CD15 Protein (AA 1-433) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | CD15 (FUT4) |
| Protein Characteristics: | AA 1-433 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CD15 protein is labelled with His tag. |

Product Details

| | |
|--------------|--|
| Purpose: | Custom-made recombinant Fut4 Protein expressed in mammalian cells. |
| Sequence: | MAPARQELQH ESRCRPSRTV DAWRAAVATR GRHMETPGYR RRTRCGGWGL PRSVSSLA AV GLLCTALTTF ICWGQLPPLP WASPAPQLRV GVLLWWEFPR GRGGYPKSPP DC SLRFNISG CRLTLDRAAY GEAQAVLFHH RDLVKELHDW PPPWGARERT DKALVLRV FD DQEGAVTLTG KALETVGSRP PGQRWVWMNF ESPSHTPGLR GLAKDLFNWT LSYRTDSDVF VPYGFLYSRS DPTEQPSGLG PQLARKRLV AWWVSNWNEH QARVRYHQL SRHVSVDVFG RTGPGRPVA IGLLHTVARY KFYLAFENSR HVDYITEKLW RNAFLAGAVP VVLGPDRANY ERFVPRGAFI HVDDFPNAAS LAAYLLFLDR NVAVYRRYFR WRRSFAVHIT SFWDEQWCRT CQAVQTSGDQ PKSIHNLADW FQR 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. |
| 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. |

Product Details

Characteristics:

Key Benefits:

- 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.

Purity:

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

Grade:

custom-made

Target Details

Target:

CD15 (FUT4)

Alternative Name:

Fut4 ([FUT4 Products](#))

Background:

Alpha-(1,3)-fucosyltransferase 4 (4-galactosyl-N-acetylglucosaminide 3-alpha-L-fucosyltransferase) (EC 2.4.1.152) (Fucosyltransferase 4) (Fucosyltransferase IV) (Fuc-TIV) (FucT-IV) (Galactoside 3-L-fucosyltransferase),FUNCTION: Catalyzes alpha(1->3) linkage of fucosyl moiety transferred from GDP-beta-L-fucose to N-acetyl glucosamine (GlcNAc) within type 2 lactosamine (LacNAc, Gal-beta(1->4)GlcNAc) glycan attached to N- or O-linked glycoproteins (PubMed:11485743). Robustly fucosylates nonsialylated distal LacNAc unit of the polylactosamine chain to form Lewis X antigen (CD15), a glycan determinant known to mediate important cellular functions in development and immunity. Fucosylates with lower efficiency sialylated LacNAc acceptors to form sialyl Lewis X and 6-sulfo sialyl Lewis X determinants that serve as recognition epitopes for C-type lectins (PubMed:11485743). Together with FUT7 contributes to SELE, SELL and SELP selectin ligand biosynthesis and selectin-dependent lymphocyte homing, leukocyte migration and blood leukocyte homeostasis (PubMed:11485743). In a cell type specific manner, may also fucosylate the internal LacNAc

Target Details

unit of the polylactosamine chain to form VIM-2 antigen that serves as recognition epitope for SELE (By similarity). {ECO:0000250|UniProtKB:P22083, ECO:0000269|PubMed:11485743}.

Molecular Weight: 49.5 kDa

UniProt: [Q11127](#)

Application Details

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.

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