

Datasheet for ABIN7552735
ABO Protein (AA 1-354) (His tag)



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Overview

Quantity:	1 mg
Target:	ABO
Protein Characteristics:	AA 1-354
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABO protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ABO Protein expressed in mammalien cells.
Sequence:	MAEVLRTLGA KPKCHALRPM ILFLIMLVLV LFGYGVLSPLR SLMPGSLERG FCMAVREPDH LQRVSLPRMV YPQPKVLTPL RKDVLVTPW LAPIVWEGTF NIDILNEQFR LQNTTIGLTV FAIKKYVAFL KLFLETAEKH FMVGHVRVHYY VFTDQPAAVP RVTLGTGRQL SVLEVRAYKR WQDVSMRRME MISDFCERRF LSEVDYLVCV DVDMEFRDHV GVEILTPLFG TLHPGFYGGSS REAFYERRP QSQAYIPKDE GDFYYLGGFF GGSVQEVQRL TRACHQAMMV DQANGIEAVW HDESHLNKYL LRHKPTKVLS PEYLWDQQLL GWPAVLRKLR FTAVPKNHQA VRNP 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 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:	ABO
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Alternative Name:	ABO (ABO Products)
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Background:	Histo-blood group ABO system transferase (Fucosylglycoprotein 3-alpha-galactosyltransferase) (Fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase) (Glycoprotein-fucosylgalactoside alpha-N-acetylgalactosaminyltransferase) (EC 2.4.1.40) (Glycoprotein-fucosylgalactoside alpha-galactosyltransferase) (EC 2.4.1.37) (Histo-blood group A transferase) (A transferase) (Histo-blood group B transferase) (B transferase) (NAGAT) [Cleaved into: Fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase soluble form],FUNCTION: This protein is the basis of the ABO blood group system. The histo-blood group ABO involves three carbohydrate antigens: A, B, and H. A, B, and AB individuals express a glycosyltransferase activity that converts the H antigen to the A antigen (by addition of UDP-GalNAc) or to the B antigen (by addition of UDP-Gal), whereas O individuals lack such activity.
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Molecular Weight:	40.9 kDa
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UniProt:	P16442
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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
