

Datasheet for ABIN7560655
CD57 Protein (AA 1-334) (His tag)



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Overview

Quantity:	1 mg
Target:	CD57 (B3GAT1)
Protein Characteristics:	AA 1-334
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD57 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant B3gat1 Protein expressed in mammalian cells.
Sequence:	MPKRRDILAI VLIVLPWTLL ITVWHQSSLA PLLAVHKDEG SDRPRHEAPPG ADPREYCMUSD RDIVEVVRTE VYTRPPPWS DTLPTIHVVT PTYSRPVQKA ELTRMANTLL HVPNLHWLVV EDAPRRTPLT ARLLRDTGLN YTHLHVETPR NYKLRGDARD PRIPRGTMQR NLALRWLRET FPRNSTQPGV VYFADDDNTY SLELFEEMRS TRRVSVWPVA FVGGLRYEAP RVNGAGKVVG WKTVPDHPHR FAIDMAGFAV NLRILQRSQ AYFKLRGVKG GYQESSLLRE LVTLNDLEPK AANCTKILVW HTRTEKPVLV NEGKKGFTDP SVEI 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.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CD57 (B3GAT1)
Alternative Name:	B3gat1 (B3GAT1 Products)
Background:	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1 (EC 2.4.1.135) (Beta-1,3-glucuronyltransferase 1) (Glucuronosyltransferase P) (GlcAT-P) (UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase) (GlcUAT-P),FUNCTION: Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on glycoproteins. Can also play a role in glycosaminoglycan biosynthesis. Substrates include asialo-orosomucoid (ASOR), asialo-fetuin, and asialo-neural cell adhesion molecule. Requires sphingomyelin for activity: stearoyl-sphingomyelin was the most effective, followed by palmitoyl-sphingomyelin and lignoceroyl-sphingomyelin. Activity was demonstrated only for sphingomyelin with a saturated fatty acid and not for that with an unsaturated fatty acid, regardless of the length of the acyl group. {ECO:0000250 UniProtKB:O35789}.
Molecular Weight:	38.2 kDa
UniProt:	Q9CW73
Pathways:	Glycosaminoglycan Metabolic Process

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