

Datasheet for ABIN7553443

C-Type Lectin Domain Family 1, Member B (CLEC1B) (AA 1-229) protein (His tag)



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Overview

Quantity:	1 mg
Target:	C-Type Lectin Domain Family 1, Member B (CLEC1B)
Protein Characteristics:	AA 1-229
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant CLEC1B Protein expressed in mammalian cells.
Sequence:	MQDEDGYITL NIKTRKPALI SVGSASSSWW RVMALILLIL CVGMVVGLVA LGIWSVMQRN YLQGENENRT GTLQQLAKRF CQYVVKQSEL KGTFKGHKCS PCDTNWRYYG DSCYGFFRHN LTWEESKQYC TDMNATLLKI DNRNIVEYIK ARTHLIRWVG LSRQKSNEVW KWEDGSGVISE NMFEFLEDGK GNMNCAYFHN GKMHPTEFCEN KHYLMCERKA GMTKVDQLP 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: Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	C-Type Lectin Domain Family 1, Member B (CLEC1B)
Alternative Name:	CLEC1B (CLEC1B Products)
Target Type:	Viral Protein
Background:	C-type lectin domain family 1 member B (C-type lectin-like receptor 2) (CLEC-2),FUNCTION: C-type lectin-like receptor that functions as a platelet receptor for the lymphatic endothelial marker, PDPN (PubMed:18215137). After ligand activation, signals via sequential activation of SRC and SYK tyrosine kinases leading to activation of PLCG2 (PubMed:18955485). {ECO:0000269 PubMed:18215137, ECO:0000269 PubMed:18955485}., FUNCTION: (Microbial infection) Acts as a receptor for the platelet-aggregating snake venom protein rhodocytin. Rhodocytin binding leads to tyrosine phosphorylation and this promotes the binding of spleen tyrosine kinase (SYK) and initiation of downstream tyrosine phosphorylation events and activation of PLCG2 (PubMed:16174766, PubMed:18955485). {ECO:0000269 PubMed:18955485, ECO:0000305 PubMed:16174766}., FUNCTION: (Microbial infection) Acts as an attachment factor for Human immunodeficiency virus type 1 (HIV-1) and facilitates its capture by platelets (PubMed:16940507). {ECO:0000305 PubMed:16940507}.
Molecular Weight:	26.6 kDa

Target Details

UniProt: [Q9P126](#)

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