

Datasheet for ABIN7546589

CLEC12B Protein (AA 1-276) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CLEC12B
Protein Characteristics:	AA 1-276
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLEC12B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat CLEC12B Protein expressed in mammalien cells.
Sequence:	MSEEVTYATL TFQDSAGARN NRDGNNLRKR GHPAPSPIWR HAALGLVTL LMLLIGLVTL GMMFLQISND INSDSEKLSQ LQKTIQQQD NLSQQLGNSN NLSMEEEEFLK SQISSVLKRQ EQMAIKLCQE LIIHTSDHRC NPCPKMWQWY QNSCYFFTTN EEKTWANSRK DCIDKNSTLV KIDSLEEKDF LMSQPLLMFS FFWLGLSWDS SGRSWFWEDG SVPSPSLFST KELDQINGSK GCAYFQKGN IYIRCSAEIF WICEKTAAPV KTEDLD 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: <ul style="list-style-type: none">• 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, Western Blot
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Grade:	custom-made
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Target Details

Target:	CLEC12B
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Alternative Name:	CLEC12B (CLEC12B Products)
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Background:	C-type lectin domain family 12 member B (Macrophage antigen H),FUNCTION: Inhibitory receptor postulated to negatively regulate immune and non-immune functions (PubMed:17562706, PubMed:34310951). Upon phosphorylation, recruits SH2 domain-containing PTPN6 and PTPN11 phosphatases to its ITIM motif and antagonizes activation signals (PubMed:17562706, PubMed:34310951). Although it inhibits KLRK1/NKG2D-mediated signaling, it does not bind known ligands of KLRK1/NKG2D and therefore is not its inhibitory counterpart (PubMed:17562706). May limit activation of myeloid cell subsets in response to infection or tissue inflammation (PubMed:17562706). May protect target cells against natural killer cell-mediated lysis (PubMed:17562706). May negatively regulate cell cycle and differentiation of melanocytes via inactivation of STAT3 (PubMed:34310951). {ECO:0000269 PubMed:17562706, ECO:0000269 PubMed:34310951}.
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Molecular Weight:	31.6 kDa
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UniProt:	Q2HXU8
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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
