

Datasheet for ABIN7561634

C-Type Lectin Domain Family 6, Member A (CLEC6A) (AA 1-209) protein (His tag)



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Overview

Quantity:	1 mg
Target:	C-Type Lectin Domain Family 6, Member A (CLEC6A)
Protein Characteristics:	AA 1-209
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant Clec6a Protein expressed in mammalian cells.
Sequence:	MVQERQSQGK GVCWTLRLWS AAVISM LLLS TCFIASCVVT YQFIMDQPSR RLYELHTYHS SLTCFSEGTM VSEKMWGCCP NHWKSFGSSC YLISTKENFW STSEQNCVQM GAHLVWINT AEQNFITQQL NESLSYFLGL SDPQGNGKWQ WIDDTPFSQN VRFWHPHEPN LPEERCVSIV YWNPSKWGWN DVFCDSKHNS ICEMKKIYL 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: <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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	C-Type Lectin Domain Family 6, Member A (CLEC6A)
Alternative Name:	Clec6a (CLEC6A Products)
Background:	<p>C-type lectin domain family 6 member A (C-type lectin superfamily member 10) (Dendritic cell-associated C-type lectin 2) (DC-associated C-type lectin 2) (Dectin-2),FUNCTION: Calcium-dependent lectin that acts as a pattern recognition receptor (PRR) of the innate immune system: specifically recognizes and binds alpha-mannans on C.albicans hypheas (PubMed:17050534, PubMed:19703985, PubMed:20493731). Binding of C.albicans alpha-mannans to this receptor complex leads to phosphorylation of the immunoreceptor tyrosine-based activation motif (ITAM) of FCER1G, triggering activation of SYK, CARD9 and NF-kappa-B, consequently driving maturation of antigen-presenting cells and shaping antigen-specific priming of T-cells toward effector T-helper 1 and T-helper 17 cell subtypes (PubMed:17050534, PubMed:19703985, PubMed:20493731, PubMed:32358020). Recognizes also, in a mannose-dependent manner, allergens from house dust mite and fungi, by promoting cysteinyl leukotriene production (PubMed:19124755). Recognizes soluble elements from the eggs of Shistosoma mansoni altering adaptive immune responses (PubMed:21059925).</p> <p>{ECO:0000269 PubMed:17050534, ECO:0000269 PubMed:19124755, ECO:0000269 PubMed:19703985, ECO:0000269 PubMed:20493731,</p>

Target Details

ECO:0000269|PubMed:21059925, ECO:0000269|PubMed:32358020}.

Molecular Weight: 24.3 kDa

UniProt: [Q9JKF4](#)

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
