

Datasheet for ABIN7553472

**CLEC16A Protein (AA 1-1053) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	CLEC16A
Protein Characteristics:	AA 1-1053
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLEC16A protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CLEC16A Protein expressed in mammalian cells.
Sequence:	MFGRSRSWVG GGHGKTSRNI HSLDHLKYLY HVLTKNTTVT EQNRNLLVET IRSITEILIW GDQNDSSVFD FFLEKNMFVF FLNILRQKSG RYVCVQLLQT LNILFENISH ETSLYYLLSN NYVNSIIVHK FDFSDEEIMA YYISFLKTLS LKLNHHTVHF FYNEHTNDFA LYTEAIKFFN HPESMVRIAV RTITLNVYKV SLDNQAMLHY IRDKTAVPYF SNLVWFIGSH VIELDDCVQT DEEHRNRGKL SDLVAEHLDH LHYLNDILII NCEFLNDVLT DHLLNRLFLP LYVYSLENQD KGGERP KISL PVS LYLLSQV FLIIHHAPLV NSLAEVILNG DLSEMYAKTE QDIQRSSAKP SIRCFIKPTE TLEERSLEMNK HKGKRRVQKR PNYKNVGEED DEEKGPTEDA QEDA EKAKGT EGGSKGIKTS GESEIEIMVI MERSKLSLA ASTSVQEQNT TDEEKSAAT CSESTQWSRP FLDMVYHALD SPDDDYHALF VLCLLYAMSH NKGMDPEKLE RIQLPVPNAA EKTTYNHPLA ERLIRIMNNA AQPDKIRLA TLELSCLLLK QQV LMSAGCI MKDVHLACLE GAREESVHLV RHFYKGEDIF LDMFEDEYRS MTMKPMNVEY LMMDASILLP PTGTPLTGID FVKRLPCGDV EKTRRAIRVF FMLRSLSLQL RGEPE TQLPL TREEDLIKTD DVLDLNNSDL IACTVITKDG

## Product Details

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GMVQRFLAVD IYQMSLVEPD VSRLGWGVVK FAGLLQDMQV TGVEDDSRAL NITIHKPASS  
PHSKPFPIQ ATFIFSDHIR CIIAQQLAK GRIQARRMKM QRIAALLDLP IQPTTEVLGF  
GLGSSTSTQH LPFRFYDQGR RGSSDPTVQR SVFASVDKVP GFAVAQCINQ HSSPSLSSQS  
PPSASGSPSG SGSTSHCDSG GTSSSSTPST AQSPADAPMS PELPKPHLPD QLVIVNETEA  
DSKPSKNVAR SAAVETASLS PSLVPAQPT ISLLCEDTAD TLSVESLTLV PPVDPHSLRS  
LTGMPPLSTP AAACTEPVGE EAACAEPVGT AED **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.**

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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.

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Characteristics: Key Benefits:

- 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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: CLEC16A

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Alternative Name: CLEC16A ([CLEC16A Products](#))

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Background: Protein CLEC16A (C-type lectin domain family 16 member A),FUNCTION: Regulator of mitophagy through the upstream regulation of the RNF41/NRDP1-PRKN pathway. Mitophagy is

## Target Details

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a selective form of autophagy necessary for mitochondrial quality control. The RNF41/NRDP1-PRKN pathway regulates autophagosome-lysosome fusion during late mitophagy. May protect RNF41/NRDP1 from proteasomal degradation, RNF41/NRDP1 which regulates proteasomal degradation of PRKN. Plays a key role in beta cells functions by regulating mitophagy/autophagy and mitochondrial health. {ECO:0000269|PubMed:24949970}.

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Molecular Weight: 117.7 kDa

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UniProt: [Q2KHT3](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months