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Datasheet for ABIN7564249

CLEC16A Protein (AA 1-1036) (His tag)

Overview

Quantity:	1 mg
Target:	CLEC16A
Protein Characteristics:	AA 1-1036
Origin:	Mouse
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 GGHSKSSRNI HSLDHLKYLY HVLTKNTTVT EQNRNLLVET IRSITEILIW GDQNDSSVFD FFLEKNMFVF FLNILRQKSG RYVCVQLLQT LNILFENISH ETSLYYLLSN NYVNSIIVHK FDFSDEEIMA YYISFLKTLS LKLNNHTVHF FYNEHTNDFA LYTEAIKFFN HPESMVRIAV RTITLNVYKV SLDNQAMLHY IRDKTAVPYF SNLVWFIGSH VIELDNCVQT DEEHRNRGKL SDLVAEHLDH LHLYNDILII NCEFLNDVLT DHLLNRLFLP LYVYSLENDP KGGERP KISL PVSLYLLSQV FLIIHHAPLV NSLAEVILNG DLSETYTKPA QDVPRSSAKP SIRCFIKPTE TLESLMKNK HKGKCRMQR PNYKNVGEED DEERGAEDA QEDA EKTKEI EMVIMKLGKL SEVAAAGTSV QEQTNTDEEK SAATNSENAQ WSRPFLDMVY HALDSPDDDY HALFVLCCLLY AMSHNKGM DP EKLKRIQLPV PSEAEKTTYN HLLAERLIRI MNNAAPDGR IRLATLELSC LLLKQQV L TS SGCVIKDVHL ACLEGAREES VHLVRHFYKG EEIFLDMFED EYRSMTIKPM NVEYLMMDAS ILLPPTGTPL TGIDFVKRLP CGDVEKTRRA IRVFFMLRSL SLQLRGEPET QLPLTREEDL IKTDVLDLN NSDLIACTVI TKDGGMVQRF LAVDIYQMSL

Product Details

VEPDVSRLLGW GVKFAGLLQ DMQVTGVEDD SRALNITIHK PASSPHSKPF PILQATFVFS
DHIRCIIAKQ RLAKGRIQAR RMKMQRIAAL LDLPIQPTTE VLGFGLCSSSS SSSQHLPFRF
YEQCRRGSSD PTVQRSVFAS VDKVPGFAVA QCINQHSSPS LSSPSPPFAS GSPGGSGSTS
HCDSGGSSSA PSATQSPADA PTTPEQPQH LDQSVIGNEM DVNSKPSKNS SARSEGETM
HLSPSLLPAQ QPTISLLYED TADTLVESL TIVPPVDPHS LRALSGISQL PTLPAADTET
PAEGAVNPEP AEPTEH **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.
- 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: CLEC16A

Alternative Name: Clec16a ([CLEC16A Products](#))

Background: Protein CLEC16A,FUNCTION: Regulator of mitophagy through the upstream regulation of the RNF41/NRDP1-PRKN pathway. Mitophagy is a selective form of autophagy necessary for mitochondrial quality control. The RNF41/NRDP1-PRKN pathway regulates autophagosome-

Target Details

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}.

Molecular Weight: 116.2 kDa

UniProt: [Q80U30](#)

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