

Datasheet for ABIN7553218

CDC123 Protein (AA 1-336) (His tag)



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Overview

Quantity:	1 mg
Target:	CDC123
Protein Characteristics:	AA 1-336
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDC123 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CDC123 Protein expressed in mammalian cells.
Sequence:	<p>MKKEHVLHCQ FSAWYPFFRG VTIKSVILPL PQNVKDYLLD DGTLVVSGRD DPPTHSQPDS</p> <p>DDEAEEIQWS DDENTATLTA PEFPEFATKV QEAINSLGGS VFPKLNWSAP RDAYWIAMNS</p> <p>SLKCKTSLDI FLLFKSSDFI TRDFTQPFH CTDDSPDPCI EYELVLRKWC ELIPGAEFR</p> <p>FVKENKLIGI SQRDYTQYYD HISKQKEIR RCIQDFFKKH IQYKFLDEDF VFDIYRDSRG</p> <p>KVWLIDFNPF GEVTDSSLFT WEELISENNL NGDFSEVDAQ EQDSPAFRC T NSEVTVQPSP</p> <p>YLSYRLPKDF VDLSTGEDAH KLIDFLKLKR NQQEDD Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p> <p>of the protein could make another tag necessary. In case you have a special request, please</p> <p>contact us.</p>
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:

Product Details

- 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:	CDC123
Alternative Name:	CDC123 (CDC123 Products)
Background:	Translation initiation factor eIF2 assembly protein (Cell division cycle protein 123 homolog) (Protein D123) (HT-1080) (PZ32),FUNCTION: ATP-dependent protein-folding chaperone for the eIF2 complex (PubMed:35031321, PubMed:37507029). Binds to the gamma subunit of the eIF2 complex which allows the subunit to assemble with the alpha and beta subunits (By similarity). {ECO:0000250 UniProtKB:Q05791, ECO:0000269 PubMed:35031321, ECO:0000269 PubMed:37507029}.
Molecular Weight:	39.1 kDa
UniProt:	075794

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