

Datasheet for ABIN7546578  
**CIAO1 Protein (AA 1-339) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CIAO1
Protein Characteristics:	AA 1-339
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CIAO1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CIAO1 Protein expressed in mammalian cells.
Sequence:	MKDSLVLVLLGR VPAHPDSRCW FLAWNPAAGTL LASC GGDRRI RIWGTEGDSW ICKSVLSEGH QRTVRKVAWS PCGNYLASAS FDATTCIWKK NQDDFECVTT LEGHENEVKS VAWAPSGNLL ATCSRDKSVW VWEVDEEY ECVSVLNSHT QDVKHVVWHP SQELLASASY DDTVLYREE EDDWVCCATL EGHESTVWSL AFDPSGQRLA SCSDDRTVRI WRQYLPGNEQ GVACSGSDPS WKCICTLSGF HSRTIYDIAW CQLTGALATA CGDDAIRVFQ EDPNSDPQQP TFSLTAHLHQ AHSQDVNCVA WNPKEPGLLA SCSDDGEVAF WKYQRPEGL <b>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.</b>
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

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- 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
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## Target Details

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Target:	CIAO1
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Alternative Name:	CIAO1 ( <a href="#">CIAO1 Products</a> )
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Background:	<p>Probable cytosolic iron-sulfur protein assembly protein CIAO1 (WD repeat-containing protein 39),FUNCTION: Key component of the cytosolic iron-sulfur protein assembly (CIA) complex, a multiprotein complex that mediates the incorporation of iron-sulfur cluster into extramitochondrial Fe/S proteins (PubMed:17937914, PubMed:23891004). As a CIA complex component, interacts specifically with CIAO2A or CIAO2B and MMS19 to assist different branches of iron-sulfur protein assembly, depending of its interactors. The complex CIAO1:CIAO2B:MMS19 binds to and facilitates the assembly of most cytosolic-nuclear Fe/S proteins. CIAO1:CIAO2A specifically matures ACO1 and stabilizes IREB2 (PubMed:23891004). Seems to specifically modulate the transactivation activity of WT1 (PubMed:9556563). As part of the mitotic spindle-associated MMXD complex it may play a role in chromosome segregation (PubMed:20797633). {ECO:0000255 HAMAP-Rule:MF_03037, ECO:0000269 PubMed:17937914, ECO:0000269 PubMed:20797633, ECO:0000269 PubMed:23891004, ECO:0000269 PubMed:9556563}.</p>
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Molecular Weight:	37.8 kDa
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## Target Details

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UniProt: [O76071](#)

## 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.

Restrictions: For Research Use only

## Handling

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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