

## Product datasheet for TP307586L

### CIAO1 (NM\_004804) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cytosolic iron-sulfur protein assembly 1 homolog ( <i>S. cerevisiae</i> ) (CIAO1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207586 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MKDSLVLGRVPAHPDSRCWFLAWNPAAGTLLASCGDRRIRIWGTEGDSWICKSVLSEGHQRTVRKVAWS  
PCGNYLASASFDATTCIWKKNQDDFECVTTLEGHENEVKSVAWAPSGNLLATCSRDKSVWVWEVDEEY  
ECVSVLNSHTQDVKHVWHPQSQELLASASYDDTVKLYREEEDDWCCATLEGHESTVWVSLAFDPGQRLA  
SCSDDRTVRIWRQYLPGNEQGVACSGSDPSWKCICTLSGFHSRTIYDIWCQLTGALATACGGDAIRVFQ  
EDPNSDPQQPTFSLTAHLHQAHSQDVNCVAWNPKEPGLLASCSDDGEVAFWKYQRPEGL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	37.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_004795</a>
Locus ID:	9391



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UniProt ID: [O76071](#)

RefSeq Size: 4053

Cytogenetics: 2q11.2

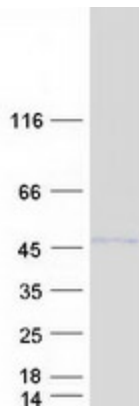
RefSeq ORF: 1017

Synonyms: CIA1; WDR39

**Summary:** 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). [UniProtKB/Swiss-Prot Function]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified CIAO1 protein (Cat# [TP307586]). The protein was produced from HEK293T cells transfected with CIAO1 cDNA clone (Cat# [RC207586]) using MegaTran 2.0 (Cat# [TT210002]).