

Product datasheet for **TP307586**

CIAO1 (NM_004804) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human cytosolic iron-sulfur protein assembly 1 homolog (*S. cerevisiae*) (CIAO1), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC207586 protein sequence
Red=Cloning site **Green**=Tags(s)

MKDSLVLGRVPAHPDSRCWFLAWNPAAGTLLASCGDRRIRIWGTEGDSWICKSVLSEGHQRTVRKVAWS
PCGNYLASASFDATTCIWKKNQDDFECVTTLEGHENEVKSVAWAPSGNLLATCSRDKSVWVWEVDEEY
ECVSVLNSHTQDVKHVWHPQSQELLASASYDDTVKLYREEEDDWCCATLEGHESTVWVSLAFDPGQRLA
SCSDDRTVRIWRQYLPGNEQGVACSGSDPSWKCICTLSGFHSRTIYDIWCQLTGALATACGGDAIRVFQ
EDPNSDPQQPTFSLTAHLHQHSQDVNCVAWNPKEPGLLASCSDDGEVAFWKYQRPEGL

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: [NP_004795](#)

Locus ID: 9391



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UniProt ID: [O76071](#)

RefSeq Size: 4053

Cytogenetics: 2q11.2

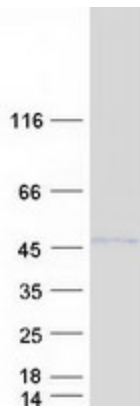
RefSeq ORF: 1017

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]).