

## Product datasheet for TP505061

### Ciao1 (NM\_025296) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cytosolic iron-sulfur protein assembly 1 (Ciao1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205061 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MKDSLVLQSRVPAHPDRCWFLAWNPSGTLASC GDRKIRIWGTEGDSWICKSVLSEGHQRTVRKVAWS  
PCGNYLASASFDATTCIWKKNQDDFECVTTLEGHENEVKSVAWAPSGNLLATCSRDKSVWVWEVDEEY  
ECVSVLSSHTQDVKHVWWHPSQELLASASYDDTVKLYQEEGDDWCCATLEGHESTVWSIAFDPSGQRLA  
SCSDDRTVRIWRQYLPGNEQGVACSGSDPSWKCICTLSGFHTRTIYDVAWCQLTGALATACGDDAIRVFE  
EDPGSDPQQPTFSLTAHLRQAHSQDVNCVAWNPKEPGLLASCSDDGEVAFWEYHQAGL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	37.6 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
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 after receiving vials.
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_079572</a>
Locus ID:	26371
UniProt ID:	<a href="#">Q99KN2</a>



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RefSeq Size: 3075

Cytogenetics: 2 61.86 cM

RefSeq ORF: 1020

Synonyms: AW210570; 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 (By similarity). 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 (By similarity). Seems to specifically modulate the transactivation activity of WT1. As part of the mitotic spindle-associated MMXD complex it may play a role in chromosome segregation (By similarity).[UniProtKB/Swiss-Prot Function]