

Recombinant Mouse Ciao1 Protein, Myc/DDK-tagged

Cat. No. Ciao1-2162M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytosolic iron-sulfur protein assembly 1 (Ciao1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. 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. 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.
Molecular Mass	37.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Ciao1 cytosolic iron-sulfur protein assembly 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Ciao1](#)

Synonyms CIAO1; cytosolic iron-sulfur protein assembly 1 homolog (*S. cerevisiae*); probable cytosolic iron-sulfur protein assembly protein CIAO1; WD40 protein Ciao1; WD repeat domain 39; WD repeat-containing protein 39; Wdr39; AW210570

Gene ID [26371](#)

mRNA Refseq [NM_025296](#)

Protein Refseq [NP_079572](#)

UniProt ID [Q99KN2](#)

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