

CIAO1, 1-339aa, Human, His tag, E.coli

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3th Edition

Synonyms: Probable cytosolic iron-sulfur protein assembly protein CIAO1, CIA1, WDR39

Description: CIAO1 is essential component of the cytosolic iron-sulfur (Fe/S) protein assembly machinery. This protein is required for the maturation of extra mitochondrial Fe/S proteins and seems to specifically modulate the trans-activation activity of WT1. As part of the mitotic spindle-associated MMXD complex it may play a role in chromosome segregation. Recombinant human CIAO1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.

Molecular Weight: 40 kDa (362aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMKDSLVLGRVPAHPDSRCWFLAWNPAGTLLASCGGDRRIRIWGTEGDSW
ICKSVLSEGHQRTVRKVAWSPCGNYLASASFDAATTCIWKKNQDDFECVTTLEGHENEVKSVAWAPSGNLLATCSR
DKSVVWWEVDEEDEYECVSVLNSHTQDVKHVVWHPSQELLASASYDDTVKLYREEEDDWVCCATLEGHESTVW
SLAFDPGQRLASCSDDRTVRIWRQYLPGNEQGVACSGSDPSWKICITLSGFHSRTIYDIWCQLTGALATACGD
DAIRVFQEDPNSDPQQPTFSLTAHLHQAHSQDVNCVAWNPKEPGLLASCSDDGEVAFWKYQRPEGL

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.