

Recombinant human CIAO1 protein

Catalog Number: ATGP2006

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-339aa

UniProt No.

O76071

NCBI Accession No.

NP_004795

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

40 kDa (362aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

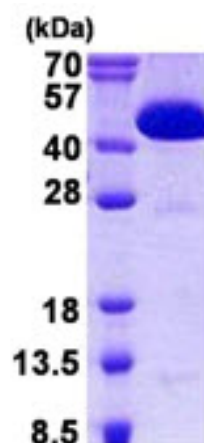
MGSSHHHHHH SSGLVPRGSH MGSMKDSLVL LGRVPAHPDS RCWFLAWNPA GTLLASCGGD RRIRIWGTEG
DSWICKSVLS EGHQRTVRKV AWSPCGNYLA SASFDATTCT WKKNQDDFEC VTTLEGHENE VKSWAWAPSG NLLATCSRDK
SVWVWEVDEE DEYECVSVLN SHTQDVKHVV WHPSQELLAS ASYDDTVKLY REEEDDWVCC ATLEGHESTV
WSLAFDPSGQ RLASCSDDRV VRIWRQYLPG NEQGVACSGS DPSWKICITL SGFHSRTIYD IAWCQLTGAL ATACGDDAIR
VFQEDPNNDP QQPTFSLTAH LHQAHSQDVN CVAWNPKEPG LLASCSDDGE VAFWKYQRPE GL

General References

Johnstone RW, Wang J, et al. (1998). J Biol Chem. 273(18):10880-7.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)