

CIAO1 Human

Description: CIAO1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 362 amino acids (1-339a.a) and having a molecular mass of 40kDa. CIAO1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-1403

For research use only.

Synonyms: CIA1, WDR39, Probable cytosolic iron-sulfur protein assembly protein CIAO1, WD repeat-containing protein 39, CIAO1.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMKDSLVL LGRVPAHPDS
RCWFLAWNPA GTLLASCGGD RRIRIWGTEG DSWICKSVLS EGHQRTVRKV AWSPCGNYLA
SASFDATTCI WKKNQDDFEC VTTLEGHENE VKSWAWAPSG NLLATCSRDK SVWVWEVDDEE
DEYECVSVLN SHTQDVKHVV WHPSQELLAS ASYDDTVKLY REEEDDWVCC ATLEGHESTV
WSLAFDPSGQ RL

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

CIAO1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

CIAO1 is a vital component of the cytosolic iron-sulfur (Fe/S) protein assembly machinery. CIAO1 protein is required for the maturation of extra mitochondrial Fe/S proteins and seems to specifically modulate the trans-activation activity of WT1. CIAO1 participates in chromosome segregation as a part of the mitotic spindle-associated MMXD complex.

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