

Product datasheet for **AR50830PU-S**

WDR39 / CIAO1 (1-339, His-tag) Human Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | WDR39 / CIAO1 (1-339, His-tag) human recombinant protein, 0.1 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMKDSLVL LGRVPAHPDS RCWFLAWNPA GTLLASCGGD RRIRIWGTEG DSWICKSVLS EGHQRTVRKV AWSPCGNYLA SASFDATTCI WKKNQDDFEC VTTLEGHENE VKSAWAPSG NLLATCSRDK SVVWWEVDEE DEYECVSVLN SHTQDVKHV WHPSQELLAS ASYDDTVKLY REEEDDWCC ATLEGHESTV WSLAFDPSGQ RLASCSDDRT VRIWRQYLPG NEQGVACSGS DPSWKICITL SGFHSRTIYD IAWCQLTGAL ATACGDDAIR VEQEDPNSDP QQPTFSLTAH LHQAHSQDVN CVAWNPKEPG LLASCSDDGE VAFWKYQRPE GL |
| Tag: | His-tag |
| Predicted MW: | 40 kDa |
| Concentration: | lot specific |
| Purity: | >95% by SDS - PAGE |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM DTT |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant human CIAO1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | NP_004795 |
| Locus ID: | 9391 |
| UniProt ID: | O76071 |
| Cytogenetics: | 2q11.2 |



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Synonyms: CIA1; 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 (PubMed:17937914, PubMed:23891004). 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 (PubMed:23891004). Seems to specifically modulate the transactivation activity of WT1 (PubMed:9556563). As part of the mitotic spindle-associated MMXD complex it may play a role in chromosome segregation (PubMed:20797633). [UniProtKB/Swiss-Prot Function]

Protein Families: Transcription Factors

Product images:

