

# Product datasheet for AR50830PU-S

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

#### **Product data:**

#### OriGene Technologies, Inc.

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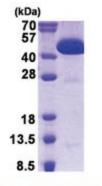
Product Type:	Recombinant Proteins
Description:	WDR39 / CIAO1 (1-339, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMKDSLVL LGRVPAHPDS RCWFLAWNPA GTLLASCGGD RRIRIWGTEG DSWICKSVLS EGHQRTVRKV AWSPCGNYLA SASFDATTCI WKKNQDDFEC VTTLEGHENE VKSVAWAPSG NLLATCSRDK SVWVWEVDEE DEYECVSVLN SHTQDVKHVV WHPSQELLAS ASYDDTVKLY REEEDDWVCC ATLEGHESTV WSLAFDPSGQ RLASCSDDRT VRIWRQYLPG NEQGVACSGS DPSWKCICTL SGFHSRTIYD IAWCQLTGAL ATACGDDAIR VFQEDPNSDP 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:	<u>NP 004795</u>
Locus ID:	9391
UniProt ID:	<u>076071</u>
Cytogenetics:	2q11.2



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	WDR39 / CIAO1 (1-339, His-tag) Human Protein – AR50830PU-S
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:**



15% SDS-PAGE (3ug)

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