

Product datasheet for PH303357

CIAO2A (NM_032231) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FAM96A MS Standard C13 and N15-labeled recombinant protein (NP_115607)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203357
Predicted MW:	18.4 kDa
Protein Sequence:	>RC203357 protein sequence Red=Cloning site Green=Tags(s) MQRVSGLLSWTL SRVLWLSGLSEPGAARQPRIMEEKALEVYDLIRTIRDPEKPNLTLEELEVVSESCVEVQ EINEEEYLVIIRFTPTVPHCSLATLIGLCLRVKLRCLPFKHKLEIYISEGTHSTEEDINKQINDKERVA AAMENPNLREIVEQCVPDP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_115607</u>
RefSeq Size:	1114
RefSeq ORF:	480
Synonyms:	CIA2A; FAM96A
Locus ID:	84191
UniProt ID:	<u>Q9H5X1</u>



[View online »](#)

Cytogenetics: 15q22.31

Summary: 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:23891004). As a CIA complex component and in collaboration with CIAO1 specifically matures ACO1 and stabilizes IREB2, connecting cytosolic iron-sulfur protein maturation with cellular iron regulation (PubMed:23891004). May play a role in chromosome segregation through establishment of sister chromatid cohesion. May induce apoptosis in collaboration with APAF1 (PubMed:25716227).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified CIAO2A protein (Cat# [TP303357]). The protein was produced from HEK293T cells transfected with CIAO2A cDNA clone (Cat# [RC203357]) using MegaTran 2.0 (Cat# [TT210002]).