

Product datasheet for PH303357

OriGene Technologies, Inc.

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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:HumanExpression 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)

MQRVSGLLSWTLSRVLWLSGLSEPGAARQPRIMEEKALEVYDLIRTIRDPEKPNTLEELEVVSESCVEVQ EINEEEYLVIIRFTPTVPHCSLATLIGLCLRVKLQRCLPFKHKLEIYISEGTHSTEEDINKQINDKERVA

AAMENPNLREIVEQCVLEPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: NP 115607

RefSeq Size: 1114

RefSeq ORF: 480

Synonyms: CIA2A; FAM96A

 Locus ID:
 84191

 UniProt ID:
 Q9H5X1





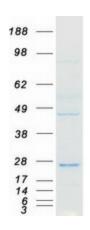
Cytogenetics:

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]).