

Product datasheet for TP303357M

OriGene Technologies, Inc.

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CIAO2A (NM_032231) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human family with sequence similarity 96, member A (FAM96A),

transcript variant 1, 100 µg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC203357 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

 $MQRVSGLLSWTLSRVLWLSGLSEPGAARQPRIMEEKALEVYDLIRTIRDPEKPNTLEELEVVSESCVEVQ\\ EINEEEYLVIIRFTPTVPHCSLATLIGLCLRVKLQRCLPFKHKLEIYISEGTHSTEEDINKQINDKERVA\\$

AAMENPNLREIVEQCVLEPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 18.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 115607

Locus ID: 84191

UniProt ID: Q9H5X1





RefSeq Size: 1114

Cytogenetics: 15q22.31

RefSeq ORF: 480

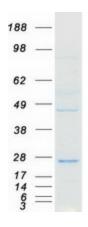
Synonyms: CIA2A; FAM96A

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]).