

OriGene Technologies, Inc.

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Product datasheet for TP303357

CIAO2A (NM_032231) Human Recombinant Protein

Product data:

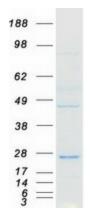
| Product Type: | Recombinant Proteins |
|--|--|
| Description: | Recombinant protein of human family with sequence similarity 96, member A (FAM96A), transcript variant 1, 20 μg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC203357 protein sequence <mark>Red</mark> =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: | <u>NP 115607</u> |
| Locus ID: | 84191 |
| UniProt ID: | <u>Q9H5X1</u> |



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| | CIAO2A (NM_032231) Human Recombinant Protein – TP303357 |
|---------------|--|
| 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]).

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