

Product datasheet for PH308299

COA5 (NM_001008215) Human Mass Spec Standard

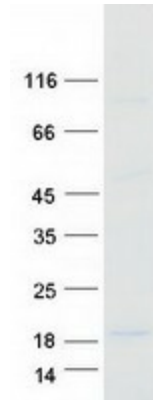
Product data:

| | |
|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | C2orf64 MS Standard C13 and N15-labeled recombinant protein (NP_001008216) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC208299 |
| Predicted MW: | 8.4 kDa |
| Protein Sequence: | <p>>RC208299 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MPKYYEDKPQGGACAGLKEDLGACLLQSDCVVQEGKSPRQCLKEGYCNSLKYAFFECKRSVLDNRARFRG RKG Y</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| 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_001008216 |
| RefSeq Size: | 1767 |
| RefSeq ORF: | 222 |
| Synonyms: | 6330578E17Rik; C2orf64; CEMCOX3; MC4DN9; Pet191 |
| Locus ID: | 493753 |
| UniProt ID: | Q86WW8 |
| Cytogenetics: | 2q11.2 |


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Summary:

This gene encodes an ortholog of yeast Pet191, which in yeast is a subunit of a large oligomeric complex associated with the mitochondrial inner membrane, and required for the assembly of the cytochrome c oxidase complex. Mutations in this gene are associated with mitochondrial complex IV deficiency, a disorder of the mitochondrial respiratory chain with heterogeneous clinical manifestations, ranging from isolated myopathy to a severe disease affecting several tissues and organs. [provided by RefSeq, Dec 2011]

Product images:


Coomassie blue staining of purified COA5 protein (Cat# [TP308299]). The protein was produced from HEK293T cells transfected with COA5 cDNA clone (Cat# [RC208299]) using MegaTran 2.0 (Cat# [TT210002]).