Recombinant Mouse Coa3 Protein, Myc/DDK-tagged

Cat. No. Coa3-2231M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytochrome C oxidase assembly factor 3 (Coa3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Core component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex) complex, that regulates cytochrome c oxidase assembly. MITRAC complexes regulate both translation of mitochondrial encoded components and assembly of nuclear-encoded components imported in mitochondrion. Required for efficient translation of MT-CO1 and mitochondrial respiratory chain complex IV assembly.
Molecular Mass	12 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Coa3 cytochrome C oxidase assembly factor 3 [Mus musculus (house mouse)]
Official Symbol	Coa3
Synonyms	Coa3; cytochrome C oxidase assembly factor 3; Ccdc56; HSPC009; D11Ertd99; D11Ertd99e; 1810033A19Rik; cytochrome c oxidase assembly factor 3 homolog, mitochondrial; coiled-coil domain containing 56; coiled-coil domain-containing protein 56; cytochrome C oxidase assembly factor 3 homolog, mitochondrial; cytochrome c oxidase assembly protein 3 homolog, mitochondrial
Gene ID	52469
mRNA Refseq	NM_026618
Protein Refseq	NP_080894
UniProt ID	Q9D2R6

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