

Recombinant Human COX18, GST-tagged

Cat. No. COX18-11489H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COX18 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	187-333a.a.
Description	COX18 encodes a cytochrome c oxidase (COX)-assembly protein. The <i>S. cerevisiae</i> Cox18 protein catalyzes the insertion of the Cox2 (MTCO2; MIM 516040) C-terminal tail into the mitochondrial inner membrane, an intermediate step in the assembly of complex IV of the mitochondrial respiratory chain (Sacconi et al., 2005 [PubMed 16212937]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	COX18 COX18 cytochrome c oxidase assembly homolog (<i>S. cerevisiae</i>) [Homo sapiens]
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Official Symbol	COX18
Synonyms	COX18; COX18 cytochrome c oxidase assembly homolog (S. cerevisiae); mitochondrial inner membrane protein COX18; FLJ38991; Cox18Hs1 protein; Cox18Hs2 protein; Cox18Hs3 protein; mitochondrial COX18; cytochrome c oxidase assembly protein 18; COX18HS; MGC126733;
Gene ID	285521
mRNA Refseq	NM_173827
Protein Refseq	NP_776188
MIM	610428
UniProt ID	Q8N8Q8
Chromosome Location	4q13.3
Function	protein transporter activity;