

Recombinant Oxoglutarate Carrier Protein, Mitochondrial (OGC) Instruction Manual

SIPE431Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Mitochondrion
Predicted Molecular Mass	37.8kDa
Accurate Molecular Mass	38kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Gly314 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	9.9
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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MAATASAGAG GIDGKPR TSP KSVKFLFGGL AGMGATV FVQ PLDLVKNRMQ  
LSGEGAKTRE YKTSFHALTS ILKAEGLRGI YTGLSAGLLR QATYTTTRLG  
IYTVL FERLT GADGTPPGFL LKAVIGMTAG ATGAFVGT PA EVALIRMTAD  
GRLPADQRRG YKNVFNALIR ITREEGVLTL WRGCIPTMAR AVVVNAAQLA  
SYSQSKQFLL DSGYFSDNIL CHFCASMISG LVTTAASMPV DIAKTRIQNM  
RMIDGKPEYK NGLDVLFKVV RYEGFFSLWK GFTPYEARLG PHTVLT FIFL  
EQMNKAYKRL FLSG
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USAGE

Reconstitute in ddH₂O to a concentration less than or equal to 0.1mg/mL. Do not vortex.

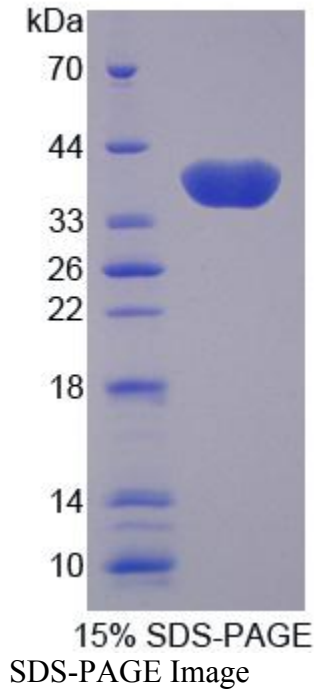
STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image



[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.