

Recombinant Human Protein SCO2 homolog, mitochondrial(SCO2)

Catalog No: #AP70750

Package Size: #AP70750-1 20ug #AP70750-2 100ug #AP70750-3 1mg

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Description

Product Name	Recombinant Human Protein SCO2 homolog, mitochondrial(SCO2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:43-266aaSequence Info:Full Length
Accession No.	O43819
Calculated MW	41.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	PAETGGQQPQGPGLRTRLLITGLFGAGLGGAWLALRAEKERLQQKRTEALRQAAVGGGDFHLLDHRGRA RCKADFRGQWVLMYFGFTHCPDICPDELEKLVQVVRQLEAEPGLPPVQPVFITVDPERDDVEAMARYVQDFH PRLLGLTGSTKQVAQASHSYRVYYNAGPKDEDQDYIVDHSIAIYLLNPDGLFTDYYGRSRSAEQISDSVRRHM AAFRSVLS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Acts as a copper chaperone, transporting copper to the Cu(A) site on the cytochrome c oxidase subunit II (COX2).

References

Mutations in SCO2 are associated with autosomal-dominant high-grade myopia. Tran-Viet K.N., Powell C., Barathi V.A., Klemm T., Maurer-Stroh S., Limviphuvadh V., Soler V., Ho C., Yanovitch T., Schneider G., Li Y.J., Nading E., Metlapally R., Saw S.M., Goh L., Rozen S., Young T.L. Am. J. Hum. Genet. 92:820-826(2013) Research Topic:Metabolism

Note: This product is for in vitro research use only and is not intended for use in humans or animals.