

Sulfite oxidase Recombinant Protein | SUOX recombinant protein

Recombinant Human Sulfite oxidase, mitochondrial

CATALOG # AAA18441	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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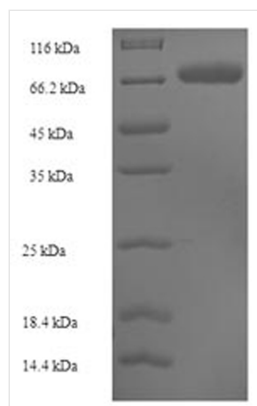
PRODUCT SYNONYMS

Sulfite oxidase; Recombinant Human Sulfite oxidase; mitochondrial; SUOX recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	80-545aa; Full Length of Mature Protein
Sequence	ESTHIYTKEE VSSHTSPETG IWVTLGSEVF DVTEFVDLHP GGPSKMLLAA GGPLEPFWAL YAVHNQSHVR ELLAQYKIGE LNPEDKVAPT VETSDPYADD PVRHPALKVN SQRPFNAEPP PELLTENYIT PNPIFFTRNH LPVPNLDPDT YRLHVVGAPG GQSLSLSLDD LHNFPYEIT VTLQCAGNRR SEMTQVKEVK GLEWRTGAIS TARWAGARLC DVLAQAGHQL CETEAHVCFE GLDSDPTGTA YGASIPLARA MDPEAEVLLA YEMNGQPLPR DHGFPVRVVV PGVVGARHVK WLGRVSVQPE ESYSHWQRRD YKGFSPSVDW ETVDFDSAPS IQELPVQSAI TEPRDGETVE SGEVTIKGYA WSGGGRAVIR VDVSLDGGLT WQVAKLDGEE QRPRKAWAWR LWQLKAPVPA GQKELNIVCK AVDDGYNVQP DTVAPIWNLR GVLSNAWHRV HVVVSP
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for SUOX recombinant protein	Metabolism
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References	Molecular cloning of human liver sulfite oxidase.Garrett R.M., Bellissimo D.B., Rajagopalan K.V.Biochim. Biophys. Acta 1262:147-149(1995) Genomic DNA sequence of human sulfite oxidase SUOX.Coyne K.E., Johnson J.L., Rajagopalan K.V.An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014) The 1.2 Å structure of the human sulfite oxidase cytochrome b(5) domain.Rudolph M.J., Johnson J.L., Rajagopalan K.V., Kisker C.Acta Crystallogr. D 59:1183-1191(2003) Molecular basis of sulfite oxidase deficiency from the structure of sulfite oxidase.Kisker C., Schindelin H., Pacheco A., Wehbi W.A., Garrett R.M., Rajagopalan K.V., Enemark J.H., Rees D.C.Cell 91:973-983(1997) Human sulfite oxidase R160Q identification of the mutation in a sulfite oxidase-deficient patient and expression and characterization of the mutant enzyme.Garrett R.M., Johnson J.L., Graf T.N., Feigenbaum A., Rajagopalan K.V.Proc. Natl. Acad. Sci. U.S.A. 95:6394-6398(1998) Isolated sulfite oxidase deficiency review of two cases in one family.Edwards M.C., Johnson J.L., Marriage B., Graf T.N., Coyne K.E., Rajagopalan K.V., MacDonald I.M.Ophthalmology 106:1957-1961(1999) Isolated sulfite oxidase deficiency identification of 12 novel SUOX mutations in 10 patients.Johnson J.L., Coyne K.E., Garrett R.M., Zabot M.-T., Dorche C., Kisker C., Rajagopalan K.V.Hum. Mutat. 20:74-74(2002) A novel mutation in neonatal isolated sulphite oxidase deficiency.Lee H.F., Mak B.S., Chi C.S., Tsai C.R., Chen C.H., Shu S.G.Neuropediatrics 33:174-179(2002)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74099694
NCBI GeneID	6821
NCBI Accession #	NP_000447.2
NCBI GenBank Nucleotide #	NM_000456.2
UniProt Accession #	P51687
Molecular Weight	53.6 kDa
NCBI Official Full Name	sulfite oxidase, mitochondrial
NCBI Official Synonym Full Names	sulfite oxidase
NCBI Official Symbol	SUOX
NCBI Protein Information	sulfite oxidase, mitochondrial
UniProt Protein Name	Sulfite oxidase, mitochondrial
UniProt Gene Name	SUOX
UniProt Entry Name	SUOX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.