

Sulfide:quinone oxidoreductase Recombinant Protein | hmt2 recombinant protein

Recombinant Schizosaccharomyces pombe Sulfide:quinone oxidoreductase, mitochondrial

CATALOG # AAA115852	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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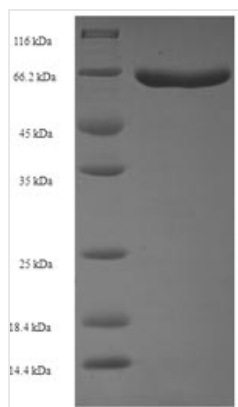
PRODUCT SYNONYMS

Sulfide:quinone oxidoreductase; Recombinant Schizosaccharomyces pombe Sulfide:quinone oxidoreductase; mitochondrial; Cadmium resistance protein 1; Heavy metal tolerance protein 2; hmt2 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	25-459aa; Full Length of Mature Protein
Sequence	ASTHHKVLVV GGGSAGISVA HQIYNKFSKY RFANDQGKDT SLKPGEIGIV DGAKYHHYYP GWTLTGAGLS SVAKTRRELA SLVPADKFKL HPEFVKSLHP RENKIVTQSG QEISYDYLVM AAGIYTDfGR IKGLTEALDD PNTPVVTIYS EKYADAVYPW IEKTKSGNAI FTQPSGVLKC AGAPQKIMWM AEDYWRRHKV RSNIDVSFYT GMPTLFSVKR YSDALLRQNE QLHRNVKINY KDELVEVKGS ERKAVFKNLN DGSLFERPFD LLHAVPSMRS HEFIAKSDLA DKSGFVAVDQ STTQSTKFPN VFAIGDCSGL PTSKYAAIT AQAPVMVHNL WSVNGKNLT ASYNGYTSCP LLTGYGKIL AEFLYKQEPK ESFGRFSRFL DQTVPRRMFY HLKKDFFPFV YWNFAVRNGK WYGSRLIPP HFPVN
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

Related Product Information for hmt2 recombinant protein	Catalyzes the oxidation of hydrogen sulfide, with the help of a quinone.
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References	A fission yeast gene for mitochondrial sulfide oxidation.Vande Weghe J.G., Ow D.W.J. Biol. Chem. 274:13250-13257(1999) Molecular cloning of the gene involved in cadmium sensitivity of fission yeast Schizosaccaromyces pombe.Mutoh N., Kawabata M., Nakagawa C., Yamada K.The genome sequence of Schizosaccharomyces pombe.Wood V., Gwilliam R., Rajandream M.A., Lyne M.H., Lyne R., Stewart A., Sgouros J.G., Peat N., Hayles J., Baker S.G., Basham D., Bowman S., Brooks K., Brown D., Brown S., Chillingworth T., Churcher C.M., Collins M., Connor R., Cronin A., Davis P., Feltwell T., Fraser A., Gentles S., Goble A., Hamlin N., Harris D.E., Hidalgo J., Hodgson G., Holroyd S., Hornsby T., Howarth S., Huckkle E.J., Hunt S., Jagels K., James K.D., Jones L., Jones M., Leather S., McDonald S., McLean J., Mooney P., Moule S., Mungall K.L., Murphy L.D., Niblett D., Odell C., Oliver K., O'Neil S., Pearson D., Quail M.A., Rabbinowitsch E., Rutherford K.M., Rutter S., Saunders D., Seeger K., Sharp S., Skelton J., Simmonds M.N., Squares R., Squares S., Stevens K., Taylor K., Taylor R.G., Tivey A., Walsh S.V., Warren T., Whitehead S., Woodward J.R., Volckaert G., Aert R., Robben J., Grymonprez B., Weltjens I., Vanstreels E., Rieger M., Schaefer M., Mueller-Auer S., Gabel C., Fuchs M., Duesterhoeft A., Fritz C., Holzer E., Moestl D., Hilbert H., Borzym K., Langer I., Beck A., Lehrach H., Reinhardt R., Pohl T.M., Eger P., Zimmermann W., Wedler H., Wambutt R., Purnelle B., Goffeau A., Cadieu E., Dreano S., Gloux S., Lelaure V., Mottier S., Galibert F., Aves S.J., Xiang Z., Hunt C., Moore K., Hurst S.M., Lucas M., Rochet M., Gaillardin C., Tallada V.A., Garzon A., Thode G., Daga R.R., Cruzado L., Jimenez J., Sanchez M., del Rey F., Benito J., Dominguez A., Revuelta J.L., Moreno S., Armstrong J., Forsburg S.L., Cerutti L., Lowe T., McCombie W.R., Paulsen I., Potashkin J., Shpakovski G.V., Ussery D., Barrell B.G., Nurse P.Nature 415:871-880(2002)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19112859
NCBI GeneID	2540326
NCBI Accession #	NP_596067.1
NCBI GenBank Nucleotide #	NM_001021978.2
UniProt Accession #	O94284; O13293
Molecular Weight	51 kDa
NCBI Official Full Name	sulfide-quinone oxidoreductase
NCBI Official Symbol	hmt2
NCBI Official Synonym Symbols	cad1
NCBI Protein Information	sulfide-quinone oxidoreductase
UniProt Protein Name	Sulfide:quinone oxidoreductase, mitochondrial
UniProt Gene Name	hmt2
UniProt Synonym Gene Names	cad1
UniProt Entry Name	HMT2_SCHPO

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.