2-Nonaprenyl-3-Methyl-6-Methoxy-1,4-Benzoquinol Hydroxylase (coq7) Thiobacillus Denitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-nonaprenyl-3-methyl-6-methoxy-1,4-benzoquinol hydroxylase (coq7), Recombinant Protein
Full Product Name	Recombinant Thiobacillus denitrificans 2-nonaprenyl-3-methyl-6-methoxy-1,4-benzoquinol hydroxylase (coq7)
Product Gene Name	coq7 recombinant protein
Product Synonym Gene Name	coq7
Sequence	MNRLDQLIST FDLGLRTVFA TPHAGRPYPG SPQEAELSET ERAHAAALMR VNHVGEVCAQ ALYAGQALTA KNAQVRSELE RAAREETDHL AWCEQRIDEL GGRKSLLNPL WFGGAFGIGV VAGLLGDKWN LGFLAETERQ VEAHLDGHLQ KLPEADAKSR AVVEQMKLDE AQHAQIAIAH GGASLPPPVK WAMRFAADVM RQTASRI
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	22,606 Da
Sequence Positions	1-207, Full length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q3SGX7
Species	Thiobacillus denitrificans (strain 25259)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for coq7 recombinant protein	MBS1386780 is a recombinant protein targeting coq7. Also known as Recombinant Thiobacillus denitrificans 2-nonaprenyl-3-methyl-6-methoxy-1,4-benzoquinol hydroxylase (coq7). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of coq7 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for coq7. It may not necessarily be applicable to this product.

NCBI GI #	499631941
NCBI Accession #	WP_011312675.1
UniProt Primary Accession #	Q3SGX7
GenBank Nucleotide #	WP_011312675.1

NCBI Official Full Name	2-nonaprenyl-3-methyl-6-methoxy-1,4-benzoquinol hydroxylase
UniProt Protein Name	2-nonaprenyl-3-methyl-6-methoxy-1,4-benzoquinol hydroxylase
UniProt Synonym Protein Names	5-demethoxyubiquinone hydroxylase
Protein Family	2-nonaprenyl-3-methyl-6-methoxy-1,4-benzoquinol hydroxylase
UniProt Gene Name	coq7
UniProt Synonym Gene Names	DMQ hydroxylase
UniProt Comments for coq7	Oxygenase that introduces the hydroxyl group at carbon five of 2-nonaprenyl-3-methyl-6-methoxy-1,4-benzoquinol resulting in the formation of 2-nonaprenyl-3-methyl-5-hydroxy-6-methoxy-1,4-benzoquinol.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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