Flavin-Dependent Monooxygenase, Oxygenase Subunit Hsaa (hsaA) Rhodococcus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Flavin-dependent monooxygenase, oxygenase subunit HsaA (hsaA), Recombinant Protein
Full Product Name	Recombinant Rhodococcus sp. Flavin-dependent monooxygenase, oxygenase subunit HsaA (hsaA)
Product Gene Name	hsaA recombinant protein
Product Synonym Gene Name	hsaA
Sequence	MQRLDALLPT LRERAQETED LRRIPDDSMK ALQETGFFRL LQPEQWGGYQ ADPVLFYSAV RKIASACGST GWVSSIIGVH NWHLALFSQQ AQEDVWGNDT DVRISSSYAP MGAGQVVDGG YTVNGAWAWS SGCDHASWAV LGGPVIKDGR PVDFVSFLIP REDYRIDDVW NVVGLRGTGS NTVVVEDVFV PTHRVLSFKA MSNLTAPGLE RNTAPVYKMP WGTIHPTTIS APIVGMAYGA YDAHVEHQGK RVRAAFAGEK AKDDPFAKVR IAEASSDIDA AWRQLSGNVA DEYALLVAGE EVPFELRLRA RRDQVRATGR AISSIDKLFE SSGATALANG TPLQRFWRDA HAGRVHAAND PERAYVMYGT GEFGLPITDT MV
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	41,868 Da
Sequence Positions	1-382, Full length protein
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 Q0S811
Species	Rhodococcus sp. (strain RHA1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hsaA recombinant protein	MBS1380407 is a recombinant protein targeting hsaA. Also known as Recombinant Rhodococcus sp. Flavin-dependent monooxygenase, oxygenase subunit HsaA (hsaA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hsaA 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 hsaA. It may not necessarily be applicable to this product.

NCBI GI #	123340107
NCBI Accession #	Q0S811.1
UniProt Primary Accession #	Q0S811

NCBI Official Full Name	Flavin-dependent monooxygenase, oxygenase subunit HsaA
UniProt Protein Name	Flavin-dependent monooxygenase, oxygenase subunit HsaA
UniProt Synonym Protein Names	3-hydroxy-9,10-secoandrosta-1,3,5(10)-triene-9,17-dione 4-hydroxylase, oxygenase subunit; 3-hydroxy-9,10-secoandrosta-1,3,5(10)-triene-9,17-dione monooxygenase
Protein Family	Flavin-dependent monooxygenase
UniProt Gene Name	hsaA
UniProt Comments for hsaA	Catalyzes the o-hydroxylation of 3-hydroxy-9,10-secoandrosta-1,3,5(10)-triene-9,17-dione (3-HSA) to 3,4-dihydroxy-9,10-secoandrosta-1,3,5(10)-triene-9,17-dione (3,4-DHSA) in the catabolism of cholesterol.
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