Putative Reductase Pp_4635 (Pp_4635) (PP_4635) Pseudomonas Putida Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative reductase PP_4635 (PP_4635), Recombinant Protein
Full Product Name	Recombinant Pseudomonas putida Putative reductase PP_4635 (PP_4635)
Product Gene Name	PP_4635 recombinant protein
Product Synonym Gene Name	PP_4635
Sequence	MAIIHPKVRG FICTTTHPKG CELNVRDQIE ATRKLGVRED GPKKVLVIGA SSGYGLAARI TAAFGFKADT LGVFFEKPGT ETKAGTAGWY NAAAFDKFAK AEGLYSKSIN GDAFSDEARA KVIELIKNEM GGKVDLVIYS LASPVRKLPQ TGEVIRSALK PIGQPYKSTA IDTNKDTIIE ASIEPATEQE IADTVTVMGG QDWQLWIDAL AGANVLAEGA RTVAFSYIGS DITWPIYWHG ALGQAKQDLD ETALRLNQKL AGEVKGGANV AVLKSVVTQA SSAIPVMPLY LSMVFKIMQE KGVHEGTQDQ LDRMYRDRMY RTDGAPAEVD EKGRLRLDDW ELRDDVQNAC KALWPQVTTE NLFELTDYAG YKKQFLNLFG FERADVDYDK DVATDVKFDC VEL
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	44,265 Da
Sequence Positions	1-403, 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 Q88E33
Species	Pseudomonas putida (strain KT2440)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PP_4635 recombinant protein	MBS1479369 is a recombinant protein targeting PP_4635. Also known as Recombinant Pseudomonas putida Putative reductase PP_4635 (PP_4635). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PP_4635 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 PP_4635. It may not necessarily be applicable to this product.

NCBI GI #	26991319
NCBI GeneID	1045719
NCBI Accession #	NP_746744.1

UniProt Primary Accession #	Q88E33
UniProt Related Accession #	Q88E33
GenBank Nucleotide #	NC_002947.4
NCBI Official Full Name	trans-2-enoyl-CoA reductase
NCBI Official Symbol	PP_4635
UniProt Protein Name	Enoyl-[acyl-carrier-protein] reductase [NADH]
UniProt Gene Name	fabV
UniProt Synonym Gene Names	ENR
NCBI Protein Information	trans-2-enoyl-CoA reductase
UniProt Comments for PP_4635	Involved in the final reduction of the elongation cycle of fatty acid synthesis (FAS II). Catalyzes the reduction of a carbon-carbon double bond in an enoyl moiety that is covalently linked to an acyl carrier protein (ACP).
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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