

Farnesyl pyrophosphate synthase Recombinant Protein | FDPS recombinant protein

Recombinant Human Farnesyl pyrophosphate synthase

CATALOG #
AAA113459

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

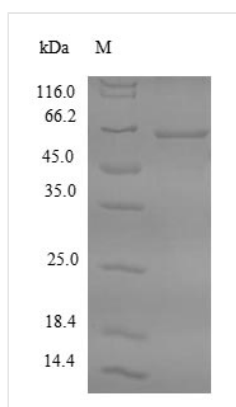
PRODUCT SYNONYMS

Farnesyl pyrophosphate synthase; Recombinant Human Farnesyl pyrophosphate synthase; (2E; 6E)-farnesyl diphosphate synthase; Dimethylallyltranstransferase (EC:2.5.1.1); Farnesyl diphosphate synthase; Geranyltranstransferase; FDPS 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	1-419. Full Length
Sequence	MPLSRWLRSV GVFLLPAPYW APRERWLGS LRRPSLVHGYP VLAWSARCW CQAWTEEPRA LCSSLRMNGD QNSDVYAQEK QDFVQHFSQI VRVLTEDEMG HPEIGDAIAR LKEVLEYNAI GGKYNRGLTV VVAFRELVEP RKQDADSLQR AWTVGWCVEL LQAFFLVADD IMDSSLTRRG QICWYQKPGV GLDAINDANL LEACIYRLK LYCREQPYYL NLIELFLQSS YQTEIGQTL DLTAPQGNVD LVRFTEKRYK SIVKYKTA FY SFYLPAAAA YMAGIDGEKE HANAKKILLE MGEFFQIQDD YLDLFGDPSV TGKIGTDIQD NKCSWL VVQC LQRATPEQYQ ILKENYGQKE AEKVARVKAL YEELDLPV F LQYEEDSYSH IMALIEQYAA PLPPAVFLGL ARKIYKRRK
Species	Homo sapiens (Human)
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 FDPS recombinant protein

Key enzyme in isoprenoid biosynthesis which catalyzes the formation of farnesyl diphosphate (FPP), a precursor for several classes of essential metabolites including sterols, dolichols, carotenoids, and ubiquinones. FPP also serves as substrate for protein farnesylation and geranylgeranylation. Catalyzes the sequential condensation of isopentenyl pyrophosphate with the allylic pyrophosphates, dimethylallyl pyrophosphate, and then with the resultant geranylpyrophosphate to the ultimate product farnesyl pyrophosphate.

Product Categories/Family for FDPS recombinant protein	Metabolism
References	"Isolation and sequence of the human farnesyl pyrophosphate synthetase cDNA. Coordinate regulation of the mRNAs for farnesyl pyrophosphate synthetase, 3-hydroxy-3-methylglutaryl coenzyme A reductase, and 3-hydroxy-3-methylglutaryl coenzyme A synthase by phorbol ester." Wilkin D.J., Kutsunai S.Y., Edwards P.A. J. Biol. Chem. 265:4607-4614(1990)

NCBI AND UNIPROT INFORMATION

NCBI GI #	209571582
NCBI GeneID	2224
NCBI Accession #	NP_001129293.1
NCBI GenBank Nucleotide #	NM_001135821.1
UniProt Accession #	P14324; Q96G29; D3DV91; E9PCI9
Molecular Weight	64.3 kDa
NCBI Official Full Name	farnesyl pyrophosphate synthase isoform a
NCBI Official Synonym Full Names	farnesyl diphosphate synthase
NCBI Official Symbol	FDPS
NCBI Official Synonym Symbols	FPS; FPPS
NCBI Protein Information	farnesyl pyrophosphate synthase
UniProt Protein Name	Farnesyl pyrophosphate synthase
UniProt Gene Name	FDPS
UniProt Synonym Gene Names	FPS; KIAA1293; FPP synthase; FPS
UniProt Entry Name	FPPS_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.