

Recombinant Human GGPS1 Protein (His Tag)

Catalog Number: PKSH032484



Note: Centrifuge before opening to ensure complete recovery of vial contents.

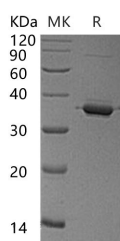
Description

Synonyms	Geranylgeranyl Pyrophosphate Synthase;GGPP Synthase;GGPPSase;(2E,6E)-Farnesyl Diphosphate Synthase;Dimethylallyltranstransferase;Farnesyl Diphosphate Synthase;Farnesyltranstransferase;Geranylgeranyl Diphosphate Synthase;Geranyltranstransferase;GGPS1
Species	Human
Expression Host	E.coli
Sequence	Met 1-Glu300
Accession	O95749
Calculated Molecular Weight	37.0 kDa
Observed molecular weight	35 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Geranylgeranyl pyrophosphate synthase (GGPS1) is a member of the FPP/GGPP synthase family. GGPS1 is highly expressed in testis, heart and skeletal muscle. GGPS1 is localized in the cytoplasm and has geranylgeranyl diphosphate (GGPP) synthase activity. It catalyzes the trans-addition of the three molecules of IPP onto DMAPP to form geranylgeranyl pyrophosphate, an important precursor of carotenoids and geranylated proteins. Other transcriptional splice variants have been found.

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