

Datasheet for ABIN7318529
GGPS1 Protein (His tag)



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Overview

Quantity:	50 µg
Target:	GGPS1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GGPS1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human GGPS1 Protein (His Tag)
Sequence:	Met 1-Glu300
Characteristics:	Recombinant Human Geranylgeranyl Pyrophosphate Synthase is produced by our E.coli expression system and the target gene encoding Met1-Glu300 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GGPS1
Alternative Name:	GGPS1 (GGPS1 Products)
Background:	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

Target Details

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.

Synonym: Geranylgeranyl Pyrophosphate Synthase, GGPP Synthase, GGPPSase, (2E,6E)-Farnesyl Diphosphate Synthase, Dimethylallyltranstransferase, Farnesyl Diphosphate Synthase, Farnesyltranstransferase, Geranylgeranyl Diphosphate Synthase, Geranyltranstransferase, GGPS1

Molecular Weight: 37.0 kDa

UniProt: [O95749](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl,20 % Glycerol, pH 8.0 .

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.