

Recombinant Human Geranylgeranyl Pyrophosphate Synthase/GGPS1 Protein(N-6His)

Cat.NO.: TP06166

3th Edition

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

Description: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.

Form:PBS

Molecular Weight:37.0 kDa

Sequences:Met 1-Glu300

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.