

Recombinant Mouse Farnesyl pyrophosphate synthase/FDPS Protein

Catalog No.: RP03268 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	110196	Q920E5

Tags

N-His

Synonyms

Farnesyl pyrophosphate synthase; FPP synthase; FPS; Farnesyl diphosphate synthase; Geranyltransferase; FDPS

Product Information

Source	Purification
E.coli	> 85% by SDS-PAGE.

Calculated MW	Observed MW
42.8 kDa	35-45 kDa

Endotoxin

Please contact us for more information.

Formulation

Lyophilized from a 0.22 µm filtered solution of 50 mM Tris, pH 8.0. Contact us for customized product form or formulation.

Reconstitution

Please contact us for reconstitution instructions.

Background

FDPS is a key enzyme in isoprenoid biosynthesis which catalyzes the formation of farnesyl diphosphate (FPP), and it is a precursor for several classes of essential metabolites including sterols, dolichols, carotenoids, and ubiquinones. FPP also serves as substrate for protein farnesylation and geranylgeranylation, and 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.

Basic Information

Description

Recombinant Mouse FDPS Protein is produced by E.coli expression system. The target protein is expressed with sequence (Met1-Lys353) of mouse FDPS (Accession #NP_608219.1) fused with His tag at the N-terminus.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

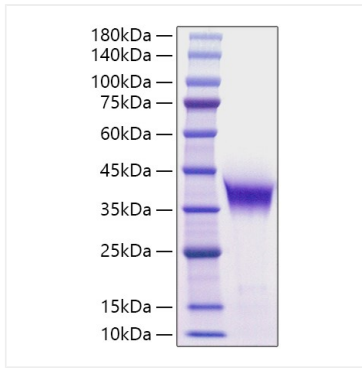
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Validation Data



Recombinant Mouse Farnesyl pyrophosphate synthase/FDPS Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at approximately 35-45 kDa.