Recombinant Mouse Farnesyl pyrophosphate synthase/FDPS Protein

Catalog No.: RP03268

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Sequence Information

Species	Gene ID
Mouse	110196
Swiss Prot	**Tags**
Q920E5	N-His

Synonyms
Farnesyl pyrophosphate synthase; FPP synthase; FPS; Farnesyl diphosphate synthase; Geranyltranstransferase; FDPS

Product Information

Source	Purification
E.coli	≥ 85 % as determined 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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
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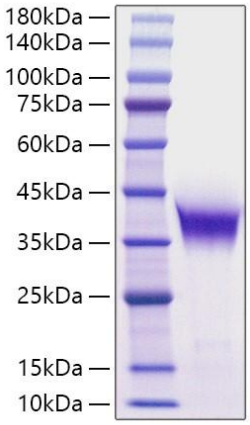
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Mouse Farnesyl pyrophosphate synthase/FDPS Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.