

# 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; 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.

#### **Contact**

8	400-999-6126
$\bowtie$	cn.market@abclonal.com.cn
<u>~</u>	www.abclonal.com.cn

## **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**

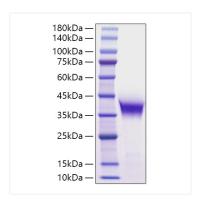
#### Storage

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.

## **Validation Data**



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