

Recombinant Rat Fdps protein, His & GST-tagged

Cat. No. Fdps-1151R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fdps aa. (Met1~Lys353 (Accession # P05369) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~Lys353
Description	Catalyzes the conversion of geranyl diphosphate and isopentenyl diphosphate to diphosphate and trans, trans-farnesyl diphosphate in the isoprene biosynthetic pathway.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 70.8kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 5.3.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
GENE INFORMATION	
Gene Name	Fdps farnesyl diphosphate synthase [Rattus norvegicus (Norway rat)]
Official Symbol	Fdps
Synonyms	Fdps; farnesyl diphosphate synthase; FPS; Ac2-125; (2E,6E)-farnesyl diphosphate synthase; CR 39; FPP synthase; FPP synthetase; cholesterol-regulated 39 kDa protein; dimethylallyltranstransferase; farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltranstransferase, geranyltranstransferase); farnesyl diphosphate synthetase; farnesyl pyrophosphate synthetase; geranyltranstransferase; testis-specific farnesyl pyrophosphate synthetase
Gene ID	83791
mRNA Refseq	NM_031840.1

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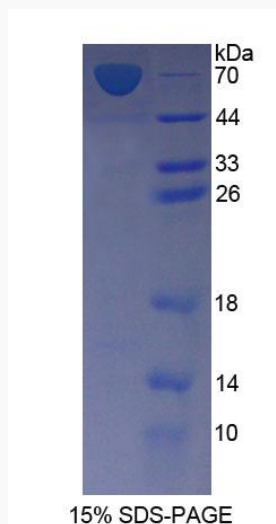
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Protein Refseq NP_114028.1

UniProt ID P05369

SDS-PAGE



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