

Recombinant Human FDPS protein, GST-tagged

Cat. No. FDPS-12834H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FDPS protein(68-419 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	68-419 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	NGDQNSDVYAQEKQDFVQHFSQIVRVLTEDMGHPEIGDAIARLKEVLEYNAIGGKY NRGLTVVVAFRELVPRKQDADSLQRAWTVGWCVELLQAFFLVADDIMDSSLTRRG QICWYQKPGVGLDAINDANLLEACIYRLLKLYCREQPYYNLIELFLQSSYQTEIGQTL DLLTAPQGNVDLVRFTKRYKSIVKYKTAFYSFYLPAAAAAMYMAGIDGEKEHANAKKI LLEMGEFFQIQDDYLDLFGDPSVTGKIGTDIQDNKCSWLVVQCLQRATPEQYQILKE NYGQKEAEKVARVKALYEELDLPVFLQYEEDSYSHIMALIEQYAAPLPPAVFLGLAR KIYKRRK
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.
GENE INFORMATION	
Gene Name	FDPS farnesyl diphosphate synthase [Homo sapiens]
Official Symbol	FDPS
Synonyms	FDPS; farnesyl diphosphate synthase; farnesyl pyrophosphate synthase; farnesyl pyrophosphate synthetase; dimethylallyltranstransferase; geranyltranstransferase; FPP synthase; FPP synthetase; (2E,6E)-farnesyl diphosphate synthase; farnesyl pyrophosphate synthetase, dimethylallyltranstransferase, geranyltranstransferase; FPS; FPPS;
Gene ID	2224
mRNA Refseq	NM_001135821
Protein Refseq	NP_001129293
MIM	134629
UniProt ID	P14324
SDS-PAGE	

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