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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

FDPS (Human) Recombinant Protein (P01)

Catalog Number: H00002224-P01

Regulation Status: For research use only (RUO)

Product Description: Human FDPS full-length ORF (NP_001995.1, 1 a.a. - 419 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MPLSRWLRSVGVFLLPAPYWAPRERWLGSLRRPSLV
HGYPVLAWHSARCWCQAWTEEPALCSSLRMNGDQ
NSDVYAQEKQDFVQHFSQIVRVLTEDEMGHPEIGDAIA
RLKEVLEYNAIGGKYNRGLTVVAFRELVPRKQDAD
SLQRAWTVGWCVELLQAFFLVADDIMDSSLTRRGQIC
WYQKPGVGLDAINDANLLEACIYRLLKLYCREQPYLNL
LIELFLQSSYQTEIGQTLDLLTAPQGNVDLVRFTKRYK
SIVKYKTAFYSFYLPAAAAAMYMAGIDGEGEHANAKKILL
EMGEFFQIQDDYLDLFGDPSVTGKIGTDIQDNKCSWL
VVQCLQRATPEQYQILKENYQGQKEAEKVARVKALYEE
LDLPAVFLQYEEDSYSHIMALIEQYAAPLPPAVFLGLAR
KIYKRRK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 74.7

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2224

Gene Symbol: FDPS

Gene Alias: FPPS, FPS

Gene Summary: This gene encodes an enzyme that catalyzes the production of geranyl pyrophosphate and farnesyl pyrophosphate from isopentenyl pyrophosphate and dimethylallyl pyrophosphate. The resulting product, farnesyl pyrophosphate, is a key intermediate in cholesterol and sterol biosynthesis, a substrate for protein farnesylation and geranylgeranylation, and a ligand or agonist for certain hormone receptors and growth receptors. Drugs that inhibit this enzyme prevent the post-translational modifications of small GTPases and have been used to treat diseases related to bone resorption. Multiple pseudogenes have been found on chromosomes 1, 7, 14, 15, 21 and X. Multiple transcript variants encoding different isoforms have been found for this gene]