

Product datasheet for TP315732M

GGPS1 (NM_001037277) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human geranylgeranyl diphosphate synthase 1 (GGPS1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215732 protein sequence Red=Cloning site Green=Tags(s)

MEKTQETVQRILLEPYKYLLQLPGKQVRTKLSQAFNHWLKVPEDKLQIIIIVTEMLHNASLLIDDIEDNS
KLRRGFPVAHSIYGIPSVINSANYVYFLGLEKVLTLDPDAVKLFRQLLELHQGQGLDIYWRDNYTCPT
EEEYKAMVLQKTGGLFGLAVGLMQLFSDYKEDLKPLLNTLGLFFQIRDDYANLHSKEYSENKSFCEDLTE
GKFSFPTIHAIWSRPESTQVQNILRQRTEINIDIKKYCVHYLEDVGSFEYTRNTLKELEAKAYKQIDARGG
NPELVALVKHLSKMFKEENE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	34.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001032354</u>
Locus ID:	9453



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UniProt ID: [O95749](#), [A0A024R3R2](#)

RefSeq Size: 2757

Cytogenetics: 1q42.3

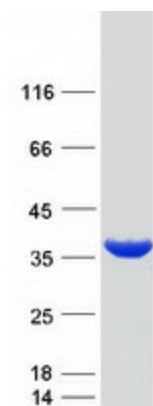
RefSeq ORF: 900

Synonyms: GGPPS; GGPPS1

Summary: This gene is a member of the prenyltransferase family and encodes a protein with geranylgeranyl diphosphate (GGPP) synthase activity. The enzyme catalyzes the synthesis of GGPP from farnesyl diphosphate and isopentenyl diphosphate. GGPP is an important molecule responsible for the C20-prenylation of proteins and for the regulation of a nuclear hormone receptor. Alternate transcriptional splice variants, both protein-coding and non-protein-coding, have been found for this gene. [provided by RefSeq, Sep 2010]

Protein Pathways: Metabolic pathways, Terpenoid backbone biosynthesis

Product images:



Coomassie blue staining of purified GGPS1 protein (Cat# [TP315732]). The protein was produced from HEK293T cells transfected with GGPS1 cDNA clone (Cat# [RC215732]) using MegaTran 2.0 (Cat# [TT210002]).