

Product datasheet for PH315732

GGPS1 (NM_001037277) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GGPS1 MS Standard C13 and N15-labeled recombinant protein (NP_001032354)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215732
Predicted MW:	34.9 kDa
Protein Sequence:	<p>>RC215732 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MEKTQETVQRILLEPYKYLLQLPGKQVRTKLSQAFNHWLKVPEDKLQIIIEVTEMLHNASLLIDDIEDNS KLRRGFPVAHSIYGIPSVINSANYVYFLGLEKVLTDHPDAVKLFTRQLLELHQGGGLDIYWRDNYTCPT EEEYKAMVLQKTGGLFGLAVGLMQLFSDYKEDLKPLLNTLGLFFQIRDDYANLHSKEYSENKSFCEDLTE GKFSFPTIHAISRPSTQVQNILRQRTEIDIKKYCVHYLEDVGSFEYTRNTLKELEAKAYKQIDARGG NPFLVALVKHLSKMFKEENE</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001032354</u>
RefSeq Size:	2757
RefSeq ORF:	900
Synonyms:	GGPPS; GGPPS1
Locus ID:	9453


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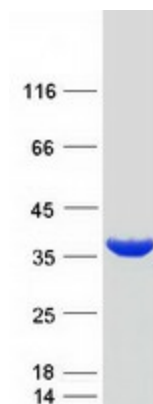
UniProt ID: [O95749](#), [A0A024R3R2](#)

Cytogenetics: 1q42.3

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]).