

OriGene Technologies, Inc.

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Product datasheet for PH315732

GGPS1 (NM_001037277) Human Mass Spec Standard

Product data:

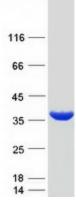
Nescription:GGS1MStandard C13 and N15-labeled recombinant protein (NP_001032354)Species:HumanSpecies:HEK233Expression DNACtion:C15732Predicted MW:A.9 ADaPredicted MM:Scl5732 protein sequence eccloning site Green=Tags(s)Pretein Sequence:C15732 protein sequence scleren=Tags(s)Pretein Sequence:C15732 protein sequence scleren=Tags(s)Pretein Sequence:C15722 protein sequence scleren=Tags(s)	Product Type:	Mass Spec Standards
Fxpression Host:HEK293Expression CDNA ClossRC215732Predicted MW:3.4.9 kDaPredicted MW:3.4.9 kDaProtein Sequence:Rc215732 protein sequence Red=Cloning site Green=Tags(s)MKKTQETVQRLLLEPVKYLLQLPGKQVRTKLSQAFNHMLKVPEDKLQILLEVLQUPGKUPKDSYKLLSQLEVLULLING KLRRGPFVAHSIYGIPSVINSANYVYELGEKVLTLDHPDAKLETFQLELLHQQGQUPWRDNYCFOB LEEVKAWLQKTGGLFCLAVGUMQLFSDKVEDLKPLLUTLLUFPGKULLELLQQGQUPWRDNYCFOBL EEFKAMVLQKTGGLFCLAVGUMQLFSDKVEDLKPLLUTLLUFPGKDEVSENKSFCEDTE GKFSPFTHATWSRPESTQVQNLLRQRTENIDIKKYCHYLEDVGSFEYTRNTLKELEAKAYKQIDARGG NPELVALKHSKMFKEENETag:O.Myc/DDKFurty:s0.9 g/µL as determined by SDS-PAGE and Coomassie blue stainingConcentration:0.05 g/µL as determined by microplate BCA methodIabeling Method:Labeled with [U-13C6, 15N4]-LArginine and [U-13C6, 15N2]-L-LysineBuffer:0.05 gr/µL as determined by microplate BCA methodStorage:Stora 4.80°C. Avoid repeated freeze-thaw cycles.Storage:Stora 4.80°C. Avoid repeated freeze-thaw cycles.Storage:0.01032354Refseq NE:900Storage:0.02Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05Storage:0.05<	Description:	GGPS1 MS Standard C13 and N15-labeled recombinant protein (NP_001032354)
Pression cDNA GloomRC215732Predicted MW:4.9 kDaProtein Sequence:RC215732 protein sequenceRed=Cloning site Green=Tags(s)MEKTQETVQRILLEP/KYLLQLPGKQVRTKLSQAFNHWLKVPEDKLQIIIEVTEMLHNASLLIDDIEDNS kLRRGFPVAHSIYGIPSVINSANYVFLGLEKVLT.DHPDAVKLFTRQLLELHQQQLDIVWRDNYCPT EGK/SFPTIHAIWSRPESTQVQNILROPKVENLFTRQLLEHQQQLDIVWRDNYCPT EGK/SFPTIHAIWSRPESTQVQNILROPKVENLTUGLFFQIRDDYANLHSKEYSENKSFCEDLE GK/SFPTIHAIWSRPESTQVQNILGYKDUDDKVTag:CMyc/DDKFarreleckLiseEDLANDILDYKDDDDKVPurity:0.05 µg/µ a sdetermined by microplate BCA methodAbeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.05 µg/µ a sdetermined by microplate BCA methodFarse:0.05 µg/µ a sdetermined by microplate BCA methodBuffer:0.05 µg/µ a sdetermined by microplate BCA methodBuffer:0.01032354Buffer:0.01032354Buffer:0.00Buffer:0.00Buffer:0.00Buffer:0.00Buffer: </th <td>Species:</td> <td>Human</td>	Species:	Human
or AA Sequence:Predicted MW:34.9 kDaProtein Sequence:>Rc215732 protein sequenceRed=Cloning site Green=Tags(s)MEKTQETVQRILLEPYKYLLQLPGKQVRTKLSQAFNHWLKVPEDKLQIIIEVTEMLHNASLLIDDIEDNS KLRRGFPVAHSTYGTPSVTNSANYVYLEGLEKVLT.DHPDAKLFTRQLLELHQQGLDTYWRDNYTCPT EEYKAWVLQKTGGLFGLAVGLMQLFSDYKEDLKPLLNTLGFFQIRDDYANLHSKEYSENKSFCEDLTE GKSPTTIHAIWSRESTQVQNLLRQRTENIDIKKYCYHLEDVGSFEYTRNTLKELEAAXYQIDARGG NPELVALVKHLSKMFKEENETag:CMyc/DDKParity:80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodBuffer:Labeled with [U-13C6, 15N4]-LArginine and [U-13C6, 15N2]-L-LysineBuffer:Stom Tris-HCI, 100 mM glycine, pH 7.3Storage:Stom A Sine for 3 months from receipt of products under proper storage and handling conditionsRefSeq NE:.757RefSeq ORF:90Synonyms:GGPPS; GGPPS1	Expression Host:	HEK293
Protein Sequence:Rc215732 protein sequence Red=Cloning site Green=Tags(s)WEKTQETVQRILLEPYKYLLQLPGKQVRTKLSQAFNHWLKVPEDKLQIIIEVTEMLHNASLLIDDIEDNS KLRRGFPVAHSIYGIPSVINSANYVYFLGLEKVLTLDHPDAVKLFTRQLLELHQGQGLDIYWRDNYTCPT EEEYKAWULQKTGGLFGLAVGLMQLFSDYKEDLKPLLNTLGLFFQIRDDYANLHSKEYSENKSFCEDLTE GKFSFPTIHAIWSRPESTQVQNILRQRTENDIXKYCVHYLEDVGSFEYTRNTLKELEAKAYKQIDARGG PMELVALVKHSKMFKEENETag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVPag:S0% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.05 µg/µL as determined by microplate BCA methodStorage:Store at -80°C. Avoid repeated freeze-thaw cycles.Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.RefSeq Xiz:NP 001032354RefSeq ORF:90Synonym:GPPS; GGPPS1	•	RC215732
Red=Cloning site Green=Tags(s)MEKTQETVQRILLEPYKYLLQLPGKQVRTKLSQAFNHWLKVPEDKLQIIIEVTEMLHNASLLIDDIEDNS KLRRGFPVAHSIYGIPSVINSANYVYFLGLEKVLTLDHPDAVKLFTRQLLELHQQQGLDIYWRDNYTCPT EEEYKAMVLQKTGGLFGLAVGLMQLFSDYKEDLKPLLNTLGLFFQIRDDYANLHSKEYSENKSFCEDLTE GKFSFPTIHATWSRPESTQVQNILRQRTENIDIKKYCVHYLEDVGSFEYTRNTLKELEAKAYKQIDARGG NPELVALVKHLSKMFKEENE TRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 Size:2757RefSeq ORF:900Synonyms:GGPPS; GGPPS1	Predicted MW:	34.9 kDa
KLRRGFPVAHSIYGIPSVINSANYVYFLGLEKVLTLDHPDAVKLFTRQLLELHQGQGLDIYWRDNYTCPT EEEYKAMVLQKTGGLFGLAVGLMQLFSDYKEDLKPLLNTLGLFFQTRDDYANLHSKEYSENKSFCEDLTE GKFSFPTHAIWSRPESTQVQNILRQRTENIDIKKYCVHYLEDVGSFEYTRNTLKELEAKAYKQIDARGG NPELVALVKHLSKMFKEENETag:C-Myc/DDKTag:C-Myc/DDKSolo a determined by SDS-PAGE and Coomassie blue staining 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.RefSeq:NP 001032354RefSeq ORF:900Gorps:GPPS; GGPPS1	Protein Sequence:	
Tag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 Size:NP 001032354RefSeq ORF:900Synonyms:GEPS; GGPPS1		KLRRGFPVAHSIYGIPSVINSANYVYFLGLEKVLTLDHPDAVKLFTRQLLELHQGQGLDIYWRDNYTCPT EEEYKAMVLQKTGGLFGLAVGLMQLFSDYKEDLKPLLNTLGLFFQIRDDYANLHSKEYSENKSFCEDLTE GKFSFPTIHAIWSRPESTQVQNILRQRTENIDIKKYCVHYLEDVGSFEYTRNTLKELEAKAYKQIDARGG
Purity:> 80% as determined by SDS-PAGE and Coomassie blue stainingPurity:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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:NP 001032354RefSeq ORF:900Synonyms:GGPPS; GGPPS1		TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Concentration:>0.05 μg/μL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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:NP 001032354RefSeq Size:2757RefSeq ORF:900Synonyms:GGPPS; GGPPS1	Tag:	C-Myc/DDK
Labeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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:NP 001032354RefSeq ORF:900Synonyms:GGPPS; GGPPS1	Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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:NP 001032354RefSeq Size:2757RefSeq ORF:900Synonyms:GGPPS; GGPPS1	Concentration:	>0.05 µg/µL as determined by microplate BCA method
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:NP 001032354RefSeq Size:2757RefSeq ORF:900Synonyms:GGPPS; GGPPS1	Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 001032354RefSeq Size:2757RefSeq ORF:900Synonyms:GGPPS; GGPPS1	Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
RefSeq: NP 001032354 RefSeq Size: 2757 RefSeq ORF: 900 Synonyms: GGPPS; GGPPS1	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
RefSeq Size: 2757 RefSeq ORF: 900 Synonyms: GGPPS; GGPPS1	Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq ORF: 900 Synonyms: GGPPS; GGPPS1	RefSeq:	<u>NP 001032354</u>
Synonyms: GGPPS; GGPPS1	RefSeq Size:	2757
	RefSeq ORF:	900
Locus ID: 9453	Synonyms:	GGPPS; GGPPS1
	Locus ID:	9453



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	GGPS1 (NM_001037277) Human Mass Spec Standard – PH315732
UniProt ID:	<u>095749, A0A024R3R2</u>
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 Pathway	s: 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]).

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