

OriGene Technologies, Inc.

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Product datasheet for PH308700

RGS4 (NM_005613) Human Mass Spec Standard

Product data:

Description:RGS4 MS Standard C13 and N15-labeled recombinant protein (NP_005604)Species:HumanSpecies:HumanExpression DNA ClonRC208700Or Ad Sequence:23.3 kDaPredicted MW:3.3 kDaPretein Sequence:RC208700 protein sequence Red-Cloning site Green=Tags(s)Pretein Sequence:RC208700 protein sequence Red-Cloning site Green=Tags(s)TartPLEQKLISEDLAMKIRGFLLQKSDSCEHNSSHNKKKDVTICQRVSQEEVKKWAESLENLISHE CGLAFKAFLKSFYSEENIDFWISCGEVKKINSEPSLSPKAKKINEFISVQATKEVMLDSCTEETSRN MILETITCFDEAQKKIFNLMEKDDDVTartPLEQKLISEDLAMDILDVKDDDVRTRPLEQKLISEDLAMDILDVKDDDVTartPLEQKLISEDLAMDILDVKDDDVStability:Goncentration:0.50 kg/uL as determined by microplate BCA methodBuffer:0.50 kg/uL as determined by microplate BCA methodBuffer:0.50 kg/uL as determined proteins and [U-13C6, 15N2]-L-LysineStorage:0.50 kg/uL as determined proteins and proteins and	Product Type:	Mass Spec Standards
Fxperssion Host:HEK293Expression CDNA Cloon or AA Sequence:Rc208700Predicted MW:2.3.3 kDaProtein Sequence:Rc208700 protein sequence Red=Cloning site Green=Tags(s)Protein Sequence:Rc208700 protein sequence Red=Cloning site Green=Tags(s)MCKGLAGLPASCLRSAKDMKHRLGFLLQKSDSCEHNSSHNKKDKVVICQRVSQEEVKKWAESLENLISHE CGLAAFKAFLKSEYSEENDFWISCEEVKKIKSPSKLSPKAKKIYNEFISVQATKEVNLDSCTREETSRN MLEPTITCPEAQKKIFNLMEKDSVRRFLKSRFVLDLVNPSSCGAEKQKGKSSADCASLVPQCATag:CMyc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µ as determined by microplate BCA methodBuffer:Labeled with [U-13C6, 15N4]-LArginine and [U-13C6, 15N2]-LysineFarge:Store at-80°C. Avoid repeated freeze-thaw cycles.Storage:Stole for 3 months from receipt of products under proper storage and handling conditionsRefSeq IXe:3371RefSeq ORF:615Storoge:Stor2D9Storoge:StoP4; SCZD9Storoge:StoP4; SCZD9Storoge:S	Description:	RGS4 MS Standard C13 and N15-labeled recombinant protein (NP_005604)
Argession cDNA CloneRC208700Predicted MW:23.3 kDaProtein Sequence:SRC208700 protein sequence Red=Cloning site Green=Tags(s)MCKGLAGLPASCLRSAKDMKHRLGFLLQKSDSCEHNSSHNKKKKVVIQRVSQEEVKKWAESLENLISHE CGLAFKAFLKSEYSEENDPWISCEEYKKISPSKLSPKAKKIYNEFISVQATKEVWLDSCTREETSRN MLEPTITCFDEAQKKIFNLMEKDSYRRFLKSRFYLDLVNPSSCGAEKQKGASSADCASLVPQCATag:CMyc/DDKPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingPurity:0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodBuffer:S0% as determined by SDS-PAGE and Coomassie blue stainingFurity:0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodBuffer:Stabel dvith [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.05 µg/µL as determined by microplate BCA methodBuffer:S10 art ris-HCl, 100 mM glycine, PH 7.3Buffer:S10 art a80°C. Avoid repeated freeze-thaw cycles.Bablity:Stable for 3 months from receipt of products under proper storage and handling conditionsRefSeq ORF:371Artscope Gregore:S13Synonyms:Ge99SugsS199	Species:	Human
or AA Sequence:Predicted MW:23.3 kDaProtein Sequence:>Rc208700 protein sequenceRed=Cloning site Green=Tags(s)MCKGLAGLPASCLRSAKDMKHRLGFLLQKSDSCEHNSSHNKKDKVVICQRVSQEEVKKWAESLENLISHECGLAAFKAFLKSEYSEENIDFWISCEEYKKIKSPSKLSPKAKKIYNEFISVQATKEVNLDSCTREETSRN MLEPTITCFDEQKKIFNLMEKDSVRRFLKSRFYLDLVNPSSCGAEKQKGAKSSADCASLVPQCATag:C-Myc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodBuffer:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditionsRefSeq NR:3371RefSeq ORF:615Stynonyms:GRP4; SCZD9Locus ID:S999	Expression Host:	HEK293
Protein Sequence:>RC208700 protein sequence Red=Cloning site Green=Tags(s)MCKGLAGLPASCLRSAKDMKHRLGFLLQKSDSCEHNSSHNKKDKVVIQRVSQEEVKKWAESLENLISHE CGLAAFKAFLKSEYSEENIDFWISCEEYKKIKSPSKLSPKAKKIYNEFISVQATKEVNLDSCTRETSRN MLEPTITCFDEAQKKIFNLMEKDSYRRFLKSRFYLDLVNPSSCGAEKQKGAKSSADCASLVPQCATRTPLEQKLISEEDLAANDILDYKDDDDKVFag: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:0 Store at -80°C. Avoid repeated freeze-thaw cycles.Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.RefSeq:MP 005604RefSeq ORF:3371RefSeq ORF:615Synonyms:Ref4; SCZD9Locus ID:S099	•	RC208700
Red=Cloning site Green=Tags(s)MCKGLAGLPASCLRSAKDMKHRLGFLLQKSDSCEHNSSHNKKDKVVICQRVSQEEVKKWAESLENLISHE CGLAAFKAFLKSEYSEENIDFWISCEEYKKIKSPSKLSPKAKKIYNEFISVQATKEVNLDSCTREETSRN MLEPTITCFDEAQKKIFNLMEKDSYRRFLKSRFYLDLVNPSSCGAEKQKGAKSSADCASLVPQCATag: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:NP 005604RefSeq ORF:615Synonyms:RGP4; SCZD9Locus ID:5999	Predicted MW:	23.3 kDa
CGLAAFKAFLKSEYSEENIDFWISCEEYKKIKSPSKLSPKAKKIYNEFISVQATKEVNLDSCTREETSRN MLEPTITCFDEAQKKIFNLMEKDSYRRFLKSRFYLDUVNPSSCGAEKQKGAKSSADCASLVPQCATag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVFag: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-HCI, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.RefSeq:NP 005604RefSeq Size:3371RefSeq ORF:615Synonyms:RGP4; SCZD9Locus ID:S999	Protein Sequence:	
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Purity:> 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:NP 005604RefSeq ORF:615Synonyms:RGP4; SCZD9Locus ID:5999		TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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RefSeq: NP 005604 RefSeq Size: 3371 RefSeq ORF: 615 Synonyms: RGP4; SCZD9 Locus ID: 5999	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
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RefSeq ORF: 615 Synonyms: RGP4; SCZD9 Locus ID: 5999	RefSeq:	<u>NP 005604</u>
Synonyms: RGP4; SCZD9 Locus ID: 5999	RefSeq Size:	3371
Locus ID: 5999	RefSeq ORF:	615
	Synonyms:	RGP4; SCZD9
UniProt ID: <u>P49798</u> , <u>A0A024R909</u> , <u>A7XA59</u>	Locus ID:	5999
	UniProt ID:	<u>P49798, A0A024R909, A7XA59</u>

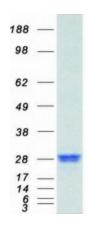


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	RGS4 (NM_005613) Human Mass Spec Standard – PH308700
Cytogenetics:	1q23.3
Summary:	Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 4 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. Regulator of G protein signaling 4 protein is 37% identical to RGS1 and 97% identical to rat Rgs4. This protein negatively regulate signaling upstream or at the level of the heterotrimeric G protein and is localized in the cytoplasm. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Families:

Product images:



Druggable Genome

Coomassie blue staining of purified RGS4 protein (Cat# [TP308700]). The protein was produced from HEK293T cells transfected with RGS4 cDNA clone (Cat# [RC208700]) using MegaTran 2.0 (Cat# [TT210002]).

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