

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for PH324031

SMAP1 (NM_021940) Human Mass Spec Standard

Product data:

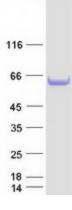
Description:SMAP1 MS Standard C13 and N15-labeled recombinant protein (NP_068759)Species:HumanExpression Host:HEK293Expression cDNACtions or AA Sequence:RC224031Predicted MW:As I. kDaProtein Sequence:NEC24031 representing NM_021940 Red=Cloning site Green=Tags(s)MartSCREKAQKLNEQHQLLLSKLLREEDNKYCADCEAKGPRWASWNIGKFICIRCAGIHRNLGWHISRY KSWLDQWTAEDICOMQDWANTKARLLYEAULEPEN/RRPOTDQAVEFFINDVEXKKYYDKNLAITINKE KEKKKEEKEKEKENERPENAL VEXAULEPEN/RRPOTDQAVEFFINDVEXKKYYDKNLAITINKE KEKKKEEKEKENERPENAL VIGGT 1000STPC/MOMOWIGKRALLYEAULEPEN/RRPOTDQAVEFFINDVEXKKYYDKNLAITINKE KEKKKEEKENERPENAL VIGGT 1000STPC/MOMOWIGKRALLYEAULEPEN/RRPOTDQAVEFINDVEXKKYYDKNLAITINKE KEKKKEEKENERPENAL VIGGT 1000STPC/MOMOWIGKRALLYEAULEPEN/RRPOTDQAVEFINDVEXKKYYDKNLAITINKE KEKKKEEKENERPENAL VIGGT 1000STPC/MOMOWIGKRALLYEAULEPENAL VIGGT 1000STPC/MOMOWIGKRALLYEAULEPEN/RRPOTDQAVEFINDVEXKKYYDKNLAITINKE KEKKKEEKENERPENAL VIGGT 1000STPC/MOMOWIGKRALLYEAULEPEN/RRPOTDQAVEFINDVEXKKYYDKNLAITINKE KEKKKEEKENERPENAL VIGGT 1000STPC/MOMOWIGKRALLYEAULEPENAL VIGGT 1000STPC/MOMOWIGKRALYEAULEPENAL VIGGT 1000	Product Type:	Mass Spec Standards
Expression Host:HEK293Expression cDNA Clone or AA Sequence:RC224031Predicted MW:48.1 kDaProtein Sequence:RC224031 representing NM_021940 Red=Cloning site Green=Tags(s)Protein Sequence:RC224031 representing NM_021940 Red=Cloning site Green=Tags(s)NATSCREKAQKLNEQHOLLLSKLLREEDNKYADCEAKGPRWASWINGVFICIRCAGIHRNLGVHISRV KSVNLDQWTAEQIQCMQOMGNTKARLLYEANLPENERMOTDQAYEFFIRDKYEKKKYDKNATAINKE KEKKKEEKKREPEPENARELTAEKLQKKDQUEPKKSTSPKKAAEPTVDLLGLDGPA/VAPYTNGNTTVP PLNDDLDIFGMTISNPLPATVHPPAQGTPSAPAATLSTVTSGDLDLFGTTKSEEVAKKQLSKDSILS LVGTGTUQGSTPA/VAPYDAQGTSAPAAGGPS%VGVPPAAPGLIGWYGSPMWOQMAGMSISSATPTAGFQQPSS TTAGWSSSSGQTLSTQLWKTag: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:> 300 Sir at -80°C. Avoid repeated freeze-thaw cycles.Storage:NE ofer 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 068759RefSeq Size:320	Description:	SMAP1 MS Standard C13 and N15-labeled recombinant protein (NP_068759)
Fyression cDNA CloneRC224031Predicted MW:48.1 kDaProtein Sequence:>RC224031 representing NM_021940 Red=Cloning site Green=Tags(s)MATRSCREKAQKLNEQHQLILSKLLREEDNKYCADCEAKGPRWASWNIGVFICIRCAGIHRNLGVHISRV KSVNLDQWTACJQCQMQMOWTKARLLYEANLPENFRRPOTDQAVEFKKYDDKNAIAITMKE KEKKKEKEREFEPEFKAPKPAPLTAKLKKKOQQLEPKKSTSPKKAAPFYDILGLGPANAPFUNGNTWK PLNDDLDIFGPMISNPLPATVMPAQGTPSAPAAAILSTYTSGDLDIFTEQTTKSEEVAKKQLSKDSILS LYTGTIQQQSTPGVFMOPTNPTTSQAPAAFQEFSMGVPVPAAPCLIGNVMQQSSMMVGMPMPNOFM GAVADTOKMPLPQNVCPGGGMVGQMGAPQSKFGLPQAQQPQWSLSQMNQQMAGMSISSATPTAGFGQPSS TAGWSGSSSGTLSTQLWKTag:C-Myc/DDKTag: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:0.05 µg/µL as determined by microplate BCA methodStorage:Stora at 80°C. Avoid repeated freeze-thaw cycles.Storage:0.05 ngn Tis-HCI, 100 mM glycine, pH 7.3Storage:0.05 ngn Tis-HCI, 100 mM glycine, pH 7.3 <th>Species:</th> <th>Human</th>	Species:	Human
or AA Sequence:Predicted MW:48.1 kDaProtein Sequence:>RC224031 representing NM_021940 Red=Cloning site Green=Tags(s)MATRSCREKAQKLNEQHQLILSKLLREEDNKYCADCEAKGPRWASWNIGYFICIRCAGIHRNLGVHISRV KSVNLDQWTAEQIQCMQDMGMTKARLLYEANLPENFRRPTQDQVEFFIRDYYEKKYYDKNAIAITINKE KEKKKEKKEKKEPKEPFAPKPAPKITAEKLYKKSTSPKKAAEPTVDLICLOPAPAVPUNNNTTVP PLNDDDLGFGPMISNPLPATVMPPAQGTPSAPAAATLSTVTSGDLDLFTEQTTKSEEVAKKQLSKDSILS LYGTGTIQQQSTPGVFMGPTNIPFTSQAPAAFQGFPSMGVPVPAAPGLIGNVMGQSPSMVQMPMPMGPM GRAQTGVMPLPONVGMGPGGMVGOGGAPQSKFGLPQAQPQWSLSQMNQMAGMSISSATPTAGFGQPSS TTAGWSGSSSGQTLSTQLWKTag:C-Myc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>80% ag determined by SDS-PAGE and Coomassie blue stainingLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.05 µg/µL as determined by microplate BCA methodLabeling Method:Stom Tris-HCI, 100 mM glycine, pH 7.3Storage:Stom Tris-HCI, 100 mM glycine, pH 7.3Storage:Stole for 3 months from receipt of products under proper storage and handling conditions.RefSeq.NP 068759RefSeq Size:3268Horbert:1320	Expression Host:	HEK293
Protein Sequence:Red224031 representing NM_021940 Red=cloning site Green=Tags(s)MATRSCREKAQKLNEQHQLILSKLLREEDNKYCADCEAKGPRWASWNIGVFICIRCAGIHRNLGVHISRV KSVNLDQWTAEQIQCMQDMGNTKARLLYEANLPENFRRPQTDQAVEFFIRDKYEKKKYYDKNAIAITNKE KEKKREKKREKEPEPAARPLTAEKLQKKDQQLEPKKSTSPKKAAEPTUDLLGLDCPAVAPVINGNTTVP LYGTGTIQQQSTPGVFMGPTNIPFTSQAPAAFQGFPSMGVPVPAAFDLGTVTSGEDLADGPDAVAPVINGNTVP PMPMOGTPA TAGSSSSGQTLSTQLWKTag:C-Myc/DDKTag: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]-LArginine and [U-13C6, 15N2]-L-LysineBuffer:0.50 mM Tris-HCI, 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:3268RefSeq ORF:1320	•	RC224031
Red=Cloning site Green=Tags(s)MATRSCREKAQKLNEQHQLILSKLLREEDNKYCADCEAKGPRWASWNIGVFICIRCAGHRNLGVHISRV KSVNLDQWTAEQIQQMQDMGNTKARLLVEANLPENFRRPQTDQAVEFFIRDKYEKKYYDKNAIAIINKE KEKKKEEKKPEKEPEKPAKPLTAEKLQKKDQQLEPKKSTSPKKAAEPTVDLIGLDGPAVAPVTNCNTTVP PLNDDLDIFGPMISNPLPATVMPPAQGTPSAPAAATLSTVTSGDLDIFTEQTTKSEEVAKKQLSKDSILS LVGTGTIQQQSTPGVFMCPTNIPFTSQAPAAFQGFPSMCVPVPAAPGLIGDVPGQSSSMVCQMPAPOSF GNAQTGVMPLPQNVVGPQGGMVQQMGAPQSKFGLPQAQQPQWSLSQMNQQMAGMSISSATPTAGFGQPSS TTAGWSGSSSGQTLSTQLWKTag: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:3268RefSeq ORF:1320	Predicted MW:	48.1 kDa
kSVNLDQWTAEQIQCMQDMGNTKARLLYEANLPENFRRPQTDQAVEFFIRDKYEKKKYYDKNAIAITNKE KEKKEEEKKREKPERKPARPLTAEKLQKKQQLEPKRSTSPKKAAEPTVDLLGLDGPAVAPVTNGNTTVP PLNDDLDIFGPMISNPLPATVMPPAQGTPSAPAAATLSTVTSGDLDIFTQTTKSEEVAKKQLSKDSILS varGTGTQQQSTPCVFMGPTNIPFTSQAPAAPGGPSMVGQMGQPSSSSTMVGQMAGQSSSSGTLSTQLWKTREPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingConcentration:0.05 µg/µL as determined by microplate BCA methodBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Stora a-80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq Size:3268RefSeq ORF:3200	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:NP 068759RefSeq Size:3268Interpret Mark1320		KSVNLDQWTAEQIQCMQDMGNTKARLLYEANLPENFRRPQTDQAVEFFIRDKYEKKKYYDKNAIAITNKE KEKKKEEKKREKEPEKPAKPLTAEKLQKKDQQLEPKKSTSPKKAAEPTVDLLGLDGPAVAPVTNGNTTVP PLNDDLDIFGPMISNPLPATVMPPAQGTPSAPAAATLSTVTSGDLDLFTEQTTKSEEVAKKQLSKDSILS LYGTGTIQQQSTPGVFMGPTNIPFTSQAPAAFQGFPSMGVPVPAAPGLIGNVMGQSPSMMVGMPMPNGFM GNAQTGVMPLPQNVVGPQGGMVGQMGAPQSKFGLPQAQQPQWSLSQMNQQMAGMSISSATPTAGFGQPSS
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 068759RefSeq Size:3268RefSeq ORF:1320		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 068759RefSeq Size:3268RefSeq ORF:1320	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 068759RefSeq Size:3268RefSeq ORF:1320	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 068759RefSeq Size:3268RefSeq ORF:1320	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 068759RefSeq Size:3268RefSeq ORF:1320	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 068759RefSeq Size:3268RefSeq ORF:1320	Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
RefSeq: NP 068759 RefSeq Size: 3268 RefSeq ORF: 1320	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
RefSeq Size: 3268 RefSeq ORF: 1320	Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq ORF: 1320	RefSeq:	<u>NP 068759</u>
•	RefSeq Size:	3268
Svnonvms: SMAP-1	RefSeq ORF:	1320
	Synonyms:	SMAP-1



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

	SMAP1 (NM_021940) Human Mass Spec Standard – PH324031
Locus ID:	60682
UniProt ID:	<u>Q8IYB5</u>
Cytogenetics:	6q13
Summary:	The protein encoded by this gene is similar to the mouse stromal membrane-associated protein-1. This similarity suggests that this human gene product is also a type II membrane glycoprotein involved in the erythropoietic stimulatory activity of stromal cells. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Protein Pathway	s: Endocytosis

Product images:



Coomassie blue staining of purified SMAP1 protein (Cat# [TP324031]). The protein was produced from HEK293T cells transfected with SMAP1 cDNA clone (Cat# [RC224031]) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US