

Product datasheet for PH315958

SPHKAP (NM_030623) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SPHKAP MS Standard C13 and N15-labeled recombinant protein (NP_085126)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215958
Predicted MW:	183.2 kDa
Protein Sequence:	>RC215958 representing NM_030623 Red=Cloning site Green=Tags(s)

MDGNSLLSVPSNLESSRMYDVLEPQQGRGCGSSGSGPGNSITACKKVLRSNSLLESTDYWLQNRMPQCQI
GFVEDKSENCASVCFVNLGVNKDECSTEHLQQKLVNVSPDLPKLISSMNVQPKENEIVVLSGLASGNLQ
ADFEVSQCPWLPDICLVQCARGNRPNSTNCIIFEINKFLIGLELVQERQLHLETNLIKLEDDTNCSSSI
EEDFLTASEHLEEESEVDESRNDYENINVSANVLESKQLKQATQVEWNCNKEKWL YALEDKYINKYPTPL
IKTERSPENLTKNTALQSLDPSAKPSQWKREAVGNRQATHYYHSEAFKGMKESQALYIPKDAYFSMMD
KDVPACAVAEQRSNLPDGHEDTRNALPPRQDGEVTTGKYATNLAESVLQDAFIRLSQSQSTLPQESAV
SVSVGSSLLPSCYSTKDTVVSRSWNELPKIVVVQSPDGSAAAPQPGISSWPEMEVSVETSSIPGENSSR
QPQSALEVALACAATVIGTISSPQATERLKMEQVVSNNFPPGSSGALQTQAPQGLKEPSINEYSFPSALCG
MTQVASAVAVCGLGEREEVTCVAPSGSLPPAAEASEAMPPLCGLASMELGKEAIAKGLLKEAALVLTRP
NTYSSIGDFLDSMNRRIMETASKSQTLCSENVVRNELAHTLSNVILRHSIDEVHKKNMIIDPNDNRHSSE
ILDITLMESTNQLLLDVICFTFKKMSHIVRLGECPAVL SKETIRRRETEPSCQPSDPGASQAWTKATESSS
SSPLSNSHNTSLVINNLVDGMYSKQDKGGVVRPGLFKNPTLQSQLSRSHRVPDSSTATTSSKEIYLKGIAG
EDTKSPHSENECRASSEGRSPTVVSQSRSGSQEAEEIHPNTQEKYNCATSRINEVQVNL SLLGDDLLL
PAQSTLQTKHPDIYCITDFAEELADTVVSMATEIAAICLDNSSGKQPWFCAWKRGSEFLMTPNVPCRSLK
RKKESQSGGTAVRKHKPPRLSEIKRKTDEHPKELKELMNRVVDESMNLEDVPSVNL FANEVAAKIMNLT
EFSMVDGMWQAQGYPRNRLLSGDRWSRLKASSCESIPEEDSEARAYVNSLGLMSTLSQVSRASSVSKQS
SCESITDEF SRFMVNQMENEGRGFELL LDYYAGKNASSILNSAMQQACRKS DHLSVRPSCPSKQSSTESI
TEEFYRYMLRDIERDSRESASSRRSSQIWTAGLLSPSLRSPVCHRQSSMPDSRSPCSRLTVNVPIKANS
DGFANCPQDFLSVQPVSSASSSGLCKSDSCLYRRGGTDHITNMLIHETWASSIEALMRKNKIIVDDAAE
ADTEPVSGGSPSQAIEKANRLAASRMCSGPTLLVQESLDCPRKDSVTECKQPPVSSLSKTASLTNHSPLD
SKKETSSCQDPVPIHKKRSLCSREVPLIQIETDQREACAGEPEPFLSKSSLLEEAEGHSNDKNIPDVVR
GGDTAVSACQIHSDSLDRDVPAAEASTEARAPDEAPNPPSSSEESTGSWTQLANEEDNPDDTSSFLQLS
ERSMSELVEKKILKGQSESTEAPASGPPTGTASQPSLLVINFDLEPECPDAELRATLQWIAASELGIP
TIYFKKSQENRIEKFLDVVQLVHRKSWKVGDIHFAVVQYCKMHEEQKDGRLSLFDWLLLELG

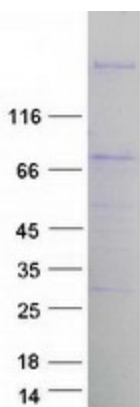
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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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:	NP_085126
RefSeq Size:	6825
RefSeq ORF:	5013
Synonyms:	SKIP
Locus ID:	80309
UniProt ID:	Q2M3C7
Cytogenetics:	2q36.3
Summary:	Anchoring protein that binds preferentially to the type I regulatory subunit of c-AMP-dependent protein kinase (PKA type I) and targets it to distinct subcellular compartments. May act as a converging factor linking cAMP and sphingosine signaling pathways. Plays a regulatory role in the modulation of SPHK1.[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified SPHKAP protein (Cat# [TP315958]). The protein was produced from HEK293T cells transfected with SPHKAP cDNA clone (Cat# [RC215958]) using MegaTran 2.0 (Cat# [TT210002]).