

## Product datasheet for **TP315958L**

### **SPHKAP (NM\_030623) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens SPHK1 interactor, AKAP domain containing (SPHKAP), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T



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Expression cDNA Clone >RC215958 representing NM\_030623  
or AA Sequence: Red=Cloning site Green=Tags(s)

MDGNSLLSVPSNLESSRMYDVLEPQQGRGCGSSGSGPGNSITACKKVLRSNSLLESTDYWLQNQRMPQCQ  
GFVEDKSENCASVCFVNLGVNKDECSTEHLQQLVNVSPDLPKLISMNQVQPKENEIVLSGLASGNLQ  
ADFEVSQCPWLPDICLVQCARGNRPNSTNCIIFEINKFLIGLELVQERQLHLETNILEDDTNCSSLSI  
EEDFLTASEHLEEESEVDESRNDYENINVSANVLESKQLKGATQVEWNCNKEKWLYALEDKYINKYPTPL  
IKTERSPENLTKNTALQSLDPSAKPSQWKREAVGNRQATHYYHSEAFKGMKESQALYIPKDAYFSMMD  
KDVPACAVAEQRSNLPDGHEDTRNALPPRQDGEVTTGKYATNLAESVLQDAFIRLSQSQSTLPQESAV  
SVSVGSSLLPSCYSTKDTVVSRSWNELPKIVVQSPDGSDAAPQPGISSWPEMEVSVETSSIPSGENSSR  
QPQSALEVALACAATVIGTISSPQATERLKMEEQVSNFPPGSSGALQTQAPQGLKEPSINEYSFPSALCG  
MTQVASAVAVCGLGEREEVTCVAPSGSLPPAAEASEAMPPLCGLASMELGKEIAIAKGLLKEAALVLRP  
NTYSSIGDFLDSMNRRIMETASKSQTLCSENVVRNELAHTLSNVILRHSIDEVHHKNMIIDPNDNRHSE  
ILDITLMESTNQLLLDVICFTFKKMSHIVRLGECPAVLSKETIRRRRETEPSCQPSDPGASQAWTKATESSS  
SSPLSNSHNTSLVINNLVDGMYSKQDKGGVRPGLFKNPTLQSQLSRSHRVPDSSTATTSSKEIYLKGIAG  
EDTKSPHSENECRASSEGQRSPTVVSQSRSGSQEAESIHPNTQEKYNCATSRINEVQVNLSSLLGDDLLL  
PAQSTLQTKHPDIYCITDFAEELADTVVSMATEIAAICLDNSSGKQPWFCAWKRGSEFLMTPNVPCRSK  
RKKESQSGTAVRKHKPPRLSEIKRKTDEHPELKEKLMNRVDESMLNLEDVPSVNLFANEVAAKIMNLT  
EFMVDGMWQAQGYPRNRLSGDRWSRLKASSCESIPEEDSEARAYVNSLGLMSTLSQPVSRASSVSKQS  
SCESITDEFSRFMVNQMENEGRGFELLDDYYAGKNASSILNSAMQQACRKS DHLSVRPSCPSKQSSTESI  
TEEFYRYMLRDIERDSRESASSRRSSQIWTAGLLSPSLRSPVCHRQSSMPDSRSPCSRLTVNVPIKANSL  
DGFAQNCQDFLSVQPVSSASSGLCKSDSCLYRRGGTDHITNMLIHETWASSIEALMRKNKIIVDDAAE  
ADTEPVSGGSPSQAEKCANRLAASRMCSGPTLLVQESLDCPRKDSVTECKQPPVSSLSKTASLTNHSPLD  
SKKETSSCQDPVPIHKKRSLCSREVPLIQIETDQREACAGEPEPFLSKSSLLEEAEGHSNDKNIPDVVR  
GGDTAVSACQIHSDSLDRDVPPEAEASTEARAPDEAPNPPSSSEESTGSWTQLANEEDNPDDTSSFLQLS  
ERSMSELVEEKILKGQSESTEAPASGPPTGTASPQRSLLVINFDLEPECPDAELRATLQWIAASELGIP  
TIYFKKSQENRIEKFLDVVQLVHRKSWKVGDIHAVVQYCKMHHEEQDKGRLSLFDWLELGG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 183.2 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

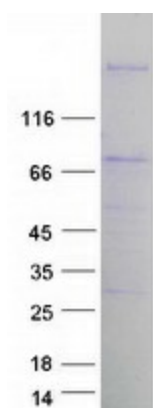
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_085126</a>
<b>Locus ID:</b>	80309
<b>UniProt ID:</b>	<a href="#">Q2M3C7</a>
<b>RefSeq Size:</b>	6825
<b>Cytogenetics:</b>	2q36.3
<b>RefSeq ORF:</b>	5013
<b>Synonyms:</b>	SKIP
<b>Summary:</b>	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]
<b>Protein Families:</b>	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]).