

Product datasheet for **TP303019L**

SPHK2 (NM_020126) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sphingosine kinase 2 (SPHK2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203019 representing NM_020126 Red =Cloning site Green =Tags(s)

MNGHLEAEEQQDQRPDQELTGSWGHGPRSTLVRAKAMAPPPPLAASTPLLHGEFGSYPARGPRFALTLSQALHIQRLRPKPEARPRGGLVPLAEVSGCCTLRSRSPSDSAAYFCIYTYPRGRRGARRRATRTRFRADGATYEENRAEAQRWATALTCLLRGLPLPGDGEITPDLLRPPRLLLLLVNPFGGRLAWQWCKNHVLPMISEAGLSFNLIQTERQNHARELVQGLSLSEWDGIVTVSGDGLLHEVLNGLLDRPDWEEAVKMPVGIPLCGSGNALAGAVNQHGFEFALGLDLLLNCSLLLCRGGGHPDLLSVTLASGSRCSFSLVAVWGFVSDVDIQSERFRALGSARFTLGTVLGLATLHTYRGRLSYLPATVEPASPTPAHSLPRAKSELTLTPDPAPMAHSPHRSVSDLPLPLQPALASPGSPEPLPILSLNNGGPELAGDWGGAGDAPLSPDPLLSSPPGSPKAALHSPVSEGA PVIPSSGLPLPTPDARVGASTCGPPDHLLPPLGTPLPDWTLEGDFVLM LAISPSHLGADLVAAPHARFDDGLVHLCWVRSGISRAALLRFLAMERGSFSLGCPQLGYAAARAFRLEPLTPRGVLTVDGEQVEYGP LQAQMHPGIGTLLTGPPGCPGREGP

TRTRPLEQKLISEEDLAANDILDYKDDDDDKV

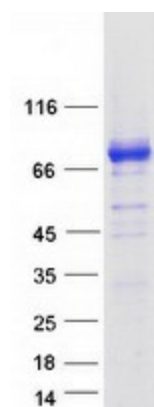
Tag:	C-Myc/DDK
Predicted MW:	69 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_064511
Locus ID:	56848
UniProt ID:	Q9NRA0 , A0A024QZH5
RefSeq Size:	3012
Cytogenetics:	19q13.33
RefSeq ORF:	1962
Synonyms:	SK-2; SK 2; SPK-2; SPK 2
Summary:	This gene encodes one of two sphingosine kinase isozymes that catalyze the phosphorylation of sphingosine into sphingosine 1-phosphate. Sphingosine 1-phosphate mediates many cellular processes including migration, proliferation and apoptosis, and also plays a role in several types of cancer by promoting angiogenesis and tumorigenesis. The encoded protein may play a role in breast cancer proliferation and chemoresistance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2011]
Protein Families:	Druggable Genome
Protein Pathways:	Calcium signaling pathway, Fc gamma R-mediated phagocytosis, Metabolic pathways, Sphingolipid metabolism, VEGF signaling pathway

Product images:



Coomassie blue staining of purified SPHK2 protein (Cat# [TP303019]). The protein was produced from HEK293T cells transfected with SPHK2 cDNA clone (Cat# [RC203019]) using MegaTran 2.0 (Cat# [TT210002]).