

## Product datasheet for TP527335

### Sphk1 (NM\_011451) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sphingosine kinase 1 (Sphk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227335 representing NM_011451 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MWWCCVLFVVECPRGLLPRPCRVLVLLNPQGGKGGKALQLFQSRVQPFLEEAEITFKLILTERKNHARELV CAEELGHWDALAVMSGDGLMHEVWNGLMERPDWETAIQKPLCSLPGGSGNALAASVNHYAGYEQVTNEDL LINCTLLLCRRRLSPMNLSSLHTASGLRLYSVLSWGFVADVDLESEKYRRLGEIRFTVGTFFRLASLR IYQGQLAYLPVGTVASKRPASTLVQKGPVDTHLVPLEEPVPSHWTVVPEQDFVLVLLHHLSELF PMGRCEAGVMHLFYVRAGVSRAALLRLFLAMQKGMELDCPYLVHVPVAFRLEPRSQRGVFSVDGELM VCEAVQGGVHPNYLWMVCGSRDAPSGRDSRRGPPPEEP</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	43.7 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
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 after receiving vials.
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:	<a href="#">NP_035581</a>
Locus ID:	20698
UniProt ID:	<a href="#">Q8CI15</a>



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RefSeq Size: 1537

Cytogenetics: 11 E2

RefSeq ORF: 1164

Synonyms: 1110006G24Rik; Sk1; Spk1

**Summary:** This gene encodes a kinase that phosphorylates sphingosine into sphingosine-1-phosphate, which is involved in cell differentiation, motility, and apoptosis. The encoded protein plays a role in maintaining cellular levels of sphingosine-1-phosphate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]