

Product datasheet for TP519434

Stim2 (NM_001081103) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse stromal interaction molecule 2 (Stim2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219434 representing NM_001081103 Red=Cloning site Green=Tags(s)

MLLFGLLVAGVADGCDLVPRLRGRRASGSAGAAAASPSAAAAGERQALLTDPCMSLSPPCFTEEDRFSLE
ALQTIHKQMDDDKDGGIEVDESDEFIREDMKYKDATNKHSHLHREDKHITVEDLWKQWKTSEVHNWTLLED
TLQWLIEFVELPQYEKNFRDNNVKGTTLPRIAVHETSFMISQLKISDRSHRQKLQKALDVLFGPLTRP
PHNWMKDFILTISIVIGVGGCWFAYTQNKTSKEHVAKMMKDLESLQTAEQSLMDLQERLEKAQEENRTVA
VEKQNLERKMMDEINYAKEEACRLRELREGAECESRRQYAEQEQVVMALKKAEKEFELRSSWSVPDA
LQKWLQLTHEVEVQYNIKRQNAEMQLAIKDEAEKIKKRSTVFGTLHVAHSSSLDEVDHKILEAKKAL
SELTTCRLRERLFRWQQIEKICGFQIAHNSGLPSLTSSLYSDHSWVVMPRVSIPPYPIAGGVDDLDETPP
IVPQFPGTVAKPAGSLARSSSLCRSRRSIVPSSPQSQRALPAHAPLAHPRHPHPHPQHPQHSPLSPDPD
ILSVSSCPALYRNEEEEEAIYFTAQKQWEVPTASECDLNSSSGRKPSPPSSLEMYQTLSSRKISRDEL
SLEDSSRGESPVTADVSRGSPECVGLTETKSMIFSPASRVYNGILEKSCSMHQLSSGIPVPHPRHTSCSS
AGNSKPVQEASNVSRSVSSIPHDLCHNGEKSKKPSKIKSLFKKSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	84.4 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.



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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_001074572
Locus ID:	116873
UniProt ID:	P83093 , A5CVE4
RefSeq Size:	4930
Cytogenetics:	5 29.69 cM
RefSeq ORF:	2238
Summary:	Plays a role in mediating store-operated Ca(2+) entry (SOCE), a Ca(2+) influx following depletion of intracellular Ca(2+) stores. Functions as a highly sensitive Ca(2+) sensor in the endoplasmic reticulum which activates both store-operated and store-independent Ca(2+)-influx. Regulates basal cytosolic and endoplasmic reticulum Ca(2+) concentrations. Upon mild variations of the endoplasmic reticulum Ca(2+) concentration, translocates from the endoplasmic reticulum to the plasma membrane where it probably activates the Ca(2+) release-activated Ca(2+) (CRAC) channels ORAI1, ORAI2 and ORAI3. May inhibit STIM1-mediated Ca(2+) influx (By similarity). [UniProtKB/Swiss-Prot Function]