

Product datasheet for **TP510034**

Stim1 (NM_009287) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse stromal interaction molecule 1 (Stim1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210034 protein sequence Red =Cloning site Green =Tags(s)

MDVCARLALWLLWGLLLHQGQSLSHSHSEKNTGASSGATSEESTEAEFCRIDKPLCHSEDEKLSFEAVRN
IHKLMDDDANGDVDVEESDEFREDLNYHDPVKHSTFHGEDKLISVEDLWKAWKSSEVYNWTVDEVIQW
LITYVELPQYEETFRKLQLTGHAMPRLAVTNTTMTGTVLKMTDRSHRQKLQKALDRTLFGPPLLRHNNH
LKDFMLVSVIVGVGGCWFAYIQNRYSKEHMKMMKDLLEGLHRAEQSLHDLQERLHKAQEEHRTVEVEKV
HLEKKLRDEINLAKQEAQRLKELREGTENERSRQKYAEELQVREALRKAKEKESHSSWYAPEALQKW
LQLTHEVEVQYYNIKKQNAERQLLVAKEGAEKIKKKRNTLFGTFHVAHSSSLDDVDHKILTAKQALSEVT
AALRERLHRWQQIEILCGFQIVNPNPFIHSLVAALNIDPSWGMSTRPNPAHFIMTDDVDDMDEIVSPLSM
QSPSLQSSVRQRLTEPQLGLGSQRDLTHSDSESSLHMSDRQRVAPKPPQMGRAADEALNAMPSSNGSHRLI
EGVHPGSLVEKLPDSPALAKKTFMALNHGLDKAHSMLNPSVPPGGSPLLDSSHSLSPPSPDPDTPSPV
GDNRALQGSRNTRIPHLAGKKAMAEEEDNGSIGEETDSSPGRKKFPLKIFKKPLKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	77.6 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.



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RefSeq: [NP_033313](#)

Locus ID: 20866

UniProt ID: [P70302](#)

RefSeq Size: 3609

Cytogenetics: 7 54.71 cM

RefSeq ORF: 2058

Synonyms: SIM

Summary: Plays a role in mediating store-operated Ca(2+) entry (SOCE), a Ca(2+) influx following depletion of intracellular Ca(2+) stores. Acts as Ca(2+) sensor in the endoplasmic reticulum via its EF-hand domain. Upon Ca(2+) depletion, translocates from the endoplasmic reticulum to the plasma membrane where it activates the Ca(2+) release-activated Ca(2+) (CRAC) channel subunit ORAI1. Involved in enamel formation. Activated following interaction with STIMATE, leading to promote STIM1 conformational switch.[UniProtKB/Swiss-Prot Function]