

Product datasheet for **TP308418L**

STING (TMEM173) (NM_198282) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transmembrane protein 173 (TMEM173), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208418 protein sequence Red =Cloning site Green =Tags(s)
	MPHSSLHPSIPCPRGHGAQKAALVLLSACLVTWGLGEPPEHTLRYLVLHLASLQLGLLNGVCSLAEEL RHIHSRYRGSYWRTVRACLGCLRRGALLLSIYFYSLPNAVGPPFTWMLALLGLSQALNILLGLKGLA PAEISAVCEKGNFNVAHGLAWSYIYGLRLLPELQARITYNQHYNNLLRGAVSQRLYILLPLDCGVPD NLSMADPNIRFLDKLPQQTGDHAGIKDRVYSNSIYELLENGQRAGTCVLEYATPLQTLFAMSQYSQAGFS REDRLEQAKLFCRTLEDILADAPESQNNCRLLIAYQEPADDSSFSLSQEVLRHLRQEEKEEVTVGLSKTSA VPSTSTMSQPELLISGMEKPLPLRTDFS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	42 kDa
Concentration:	>0.1 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.
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_938023
Locus ID:	340061



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UniProt ID:	Q86WV6
RefSeq Size:	2223
Cytogenetics:	5q31.2
RefSeq ORF:	1137
Synonyms:	ERIS; hMITA; hSTING; MITA; MPYS; NET23; SAVI; STING; STING-beta; TMEM173
Summary:	This gene encodes a five transmembrane protein that functions as a major regulator of the innate immune response to viral and bacterial infections. The encoded protein is a pattern recognition receptor that detects cytosolic nucleic acids and transmits signals that activate type I interferon responses. The encoded protein has also been shown to play a role in apoptotic signaling by associating with type II major histocompatibility complex. Mutations in this gene are the cause of infantile-onset STING-associated vasculopathy. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]
Protein Pathways:	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway

Product images:



Coomassie blue staining of purified TMEM173 protein (Cat# [TP308418]). The protein was produced from HEK293T cells transfected with TMEM173 cDNA clone (Cat# [RC208418]) using MegaTran 2.0 (Cat# [TT210002]).