

Product datasheet for PH308418

STING (TMEM173) (NM_198282) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TMEM173 MS Standard C13 and N15-labeled recombinant protein (NP_938023)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208418
Predicted MW:	42.2 kDa
Protein Sequence:	>RC208418 protein sequence Red=Cloning site Green=Tags(s)
	MPHSSLHPSIPCPRGHGAQKAALVLLSACLVTWGLGEPPEHTLRYLVLHLASLQLGLLLNGVCSLAEEL RHIHSRYRGSYWRTVRACLGCPLRRGALLLSIYFYSLPNAVGPPTWMLALLGLSQALNILLGLKGLA PAEISAVCEKGNFNVAHGLAWSYIIGYLRLLPELQARIRTYNQHYNNLLRGAVSQRLYILLPLDCGVPD NLSMADPNIRFLDKLPQQTGDHAGIKDRVYSNSIYELLENGQRAGTCVLEYATPLQTLFAMSQYSQAGFS REDRLEQAKLFCRTLEDILADAPESQNNCRLIAYQEPADSSFSLSQEVLRHLRQEEKEEVTGSLK TSA VPSTSTMSQPELLISGMEKPLPLRTDFS
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_938023
RefSeq Size:	2223
RefSeq ORF:	1137
Synonyms:	ERIS; hMITA; hSTING; MITA; MPYS; NET23; SAVI; STING; STING-beta; TMEM173
Locus ID:	340061



[View online »](#)

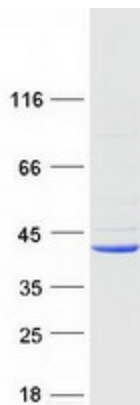
UniProt ID: [Q86WV6](#)

Cytogenetics: 5q31.2

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]).