

Product datasheet for TP308418

OriGene Technologies, Inc.

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STING (TMEM173) (NM_198282) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human transmembrane protein 173 (TMEM173), 20 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC208418 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MPHSSLHPSIPCPRGHGAQKAALVLLSACLVTLWGLGEPPEHTLRYLVLHLASLQLGLLLNGVCSLAEEL RHIHSRYRGSYWRTVRACLGCPLRRGALLLLSIYFYYSLPNAVGPPFTWMLALLGLSQALNILLGLKGLA PAEISAVCEKGNFNVAHGLAWSYYIGYLRLILPELQARIRTYNQHYNNLLRGAVSQRLYILLPLDCGVPD NLSMADPNIRFLDKLPQQTGDHAGIKDRVYSNSIYELLENGQRAGTCVLEYATPLQTLFAMSQYSQAGFS REDRLEQAKLFCRTLEDILADAPESQNNCRLIAYQEPADDSSFSLSQEVLRHLRQEEKEEVTVGSLKTSA

VPSTSTMSQEPELLISGMEKPLPLRTDFS

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



STING (TMEM173) (NM_198282) Human Recombinant Protein - TP308418

UniProt ID: Q86WV6

RefSeq Size: 2223
Cytogenetics: 5q31.2
RefSeq ORF: 1137

Synonyms: ERIS; hMITA; hSTING; MITA; MPYS; NET23; SAVI; STING; STING-beta; TMEM173

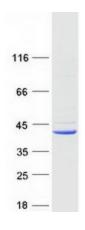
Summary: This gene encodes a five transmembrane protein that functions as a major regulator of the

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]).