

Product datasheet for **TP308418**

STING (TMEM173) (NM_198282) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human transmembrane protein 173 (TMEM173), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC208418 protein sequence Red =Cloning site Green =Tags(s) |
| | MPHSSLHPSIPCPRGHGAQKAALVLLSACLVTWGLGEPPEHTLRYLVLHLASLQLGLLLNGVCSLAEEL RHIHSRYRGSYWRTVRACLGCP LRRGALLLSIYFYSLPNAVGPPTWMLALLGLSQUALNILLGLKGLA PAEISAVCEKGNFNVAHGLAWSYYIGYLRLLPELQARIRTYNQHYNNLLRGAVSQRLYILLPLDCGVPD NLSMADPNIRFLDKLPQQTGDHAGIKDRVYSNSIYELLENGQRAGTCVLEYATPLQTLFAMSQSQAGFS REDRLEQAKLFCRTLEDILADAPESQNNCR LIAIQEPADDSSFSLSQEVLRLRQEEKEEVTGSLK TSA VPSTSTMSQEP ELLISGMEKPLPLRTDFS |
| | 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]).