

Recombinant Human TMEM173 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TMEM173-3290H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TMEM173 MS Standard C13 and N15-labeled recombinant protein (NP_938023) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	42.2 kDa
AA Sequence	MPHSSLHPSIPCPRGHGAQKAALVLLSACLVTWGLGEPPEHTLRYLVLHLASLQLG LLNGVCSLAEELRHHISRYRGSYWRTVRACLGCP LRRGALLLSIYFYSLPNAVG PPFTWMLALLGLSQUALNILLGLKGLAPAEISAVCEKGNFNVAHGLAWSYYIGYLRILP ELQARIRTYNQHYNNLLRGAVSQRLYILLPLDCGVPDNL SMADPNIRFLDKLPQQTG DHAGIKDRVYSNSIYELLENGQRAGTCVLEYATPLQTLFAMSQYSQAGFSREDRL

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QAKLFCRTLEDILADAPESQNNCRLIAYQEPADDSSFSLSQEVLRLRQEEKEEVTV
GSLKTSAVPSTSTMSQEPPELLISGMEKPLPLRTDFSTRTRPLEQKLISEEDLAANDILD
YKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [TMEM173 transmembrane protein 173 \[Homo sapiens \(human\) \]](#)

Official Symbol [TMEM173](#)

Synonyms TMEM173; transmembrane protein 173; FLJ38577; NET23; hMITA; hSTING; mediator of IRF3 activation; endoplasmic reticulum IFN stimulator; stimulator of interferon genes protein; mitochondrial mediator of IRF3 activation; endoplasmic reticulum interferon stimulator; N-terminal methionine-proline-tyrosine-serine plasma membrane tetraspanner; ERIS; MITA; MPYS; STING;

Gene ID [340061](#)

mRNA Refseq [NM_198282](#)

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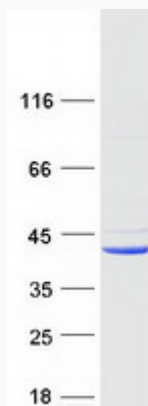
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Protein Refseq NP_938023

MIM 612374

UniProt ID Q86WV6

SDS-PAGE



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