

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

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

## SPECIFICATION

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

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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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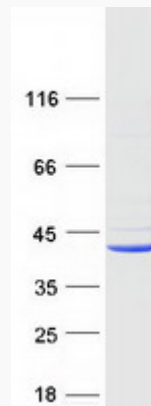
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**Protein Refseq** NP\_938023

**MIM** 612374

**UniProt ID** Q86WV6

**SDS-PAGE**



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