

## Recombinant Human TMEM173 protein, His-tagged

**Cat. No.** TMEM173-3282H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TMEM173(174-379aa) fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	174-379aa
<b>Form</b>	Protein lyophilized in sterile PBS (58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, 300 mM Imidazole, pH 8.0). Trehalose (5-8%) and mannitol (5-8%) protectants were added before lyophilization.
<b>AA Sequence</b>	ELQARIRTYNQHYNNLLRGAVSQRLYILLPLDCGVDPNLSMADPNIRFLDKLPQQTG DHAGIKDRVYSNSIYELL ENGQRAGTCVLEYATPLQTLFAMSQYSQAGFSREDRLE QAKLFCRTLEDILADAPESQNNCRLIAYQEPADDSSF SLSQEVLRHLRQEEKEEVTV GSLKTSAVPSTSTMSQPELLISGMEKPLPLRTDFS
<b>Purity</b>	> 80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store for up to 12 months at -20 centigrade to -80 centigrade as lyophilized powder.Storage of Reconstituted Protein:Short-term storage: Store at 2-8 centigrade for two weeks.Long-term storage: Aliquot and store at -20 centigrade to -80 centigrade for up to 6 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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**Reconstitution** Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

**Shipping** The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature (see below).

## GENE INFORMATION

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

**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](#)

**Protein Refseq** [NP\\_938023](#)

**MIM** [612374](#)

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<b>UniProt ID</b>	Q86WV6
<b>Chromosome Location</b>	5q31.2
<b>Pathway</b>	Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; RIG-I-like receptor signaling pathway, organism-specific biosystem; RIG-I-like receptor signaling pathway, conserved biosystem;
<b>Function</b>	protein binding; protein homodimerization activity; protein kinase binding; protein kinase binding; transcription factor binding; ubiquitin protein ligase binding;

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