HUMAN TMEM173 PROTEIN, HFC TAG

Cat.#: 11342

Product Name: Human TMEM173 Protein

Size : 10 µg, 50 µg and 100 µg

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

Target: TMEM173

UNIPROT ID: Q86WV6

Description: Recombinant human TMEM173 protein with N-terminal Human Fc tag

Background: 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.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 53.2 kDa after removal of the signal peptide.

Molecular Characterization: hFc(Glu99-Ala330) TMEM173 (Leu139-Ser379)

Purity: The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

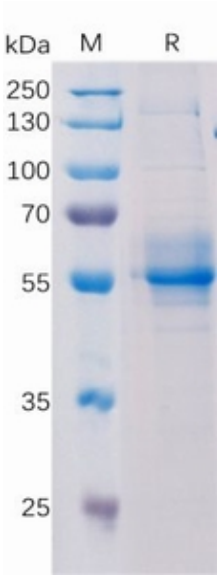

Figure 1. Human TMEM173 Protein, hFc Tag on SDS-PAGE under reducing condition.