

STING/TMEM173 recombinant protein

Recombinant Human STING/TMEM173 Protein

CATALOG #
AAA174695

HOST
E Coli

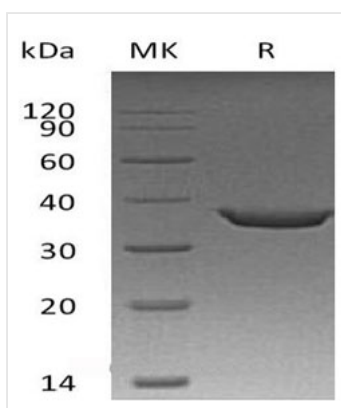
PRODUCT SYNONYMS

STING/TMEM173; Recombinant Human STING/TMEM173 Protein; Stimulator of interferon genes protein; TMEM173; Mediator of IRF3 activation; sting;; STING/TMEM173 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Supplied as a 0.2 um filtered solution of 20mM HEPES ,100mM NaCl, 10% Glycerol, pH8.0
Concentration	1.3 mg/mL (varies by lot)
Sequence	Val155-Val 341
Sequence Length	379
Species	Human
Endotoxin	< 1.0 EU per mug as determined by the LAL method.
Tag	N-Sumo-6His
Preparation and Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. Shipping: This product is provided as liquid. It is shipped at frozen temperture. Upon receipt , store it immediately at <-20°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for STING/TMEM173 recombinant protein	Background: Stimulator of Interferon Gene(Sting,TMEM173) belongs to the TMEM173 family. STING is 379 amino acids (aa) in length. It contains an N-terminal cytoplasmic region (aa 1-20), four transmembrane segments (aa 21-173), and a C-terminal cytoplasmic domain (aa 174-379). It ubiquitously expressed in skin endothelial cells, alveolar type 2 pneumocytes, bronchial epithelium and alveolar macrophagesand. Its subunit structure associated with the MHC-II complex and Interacts with DDX58/RIG-I, MAVS and SSR2, RNF5 and TRIM56 along with TBK1. This type of protein often uses as facilitator of innate immune signaling that acts as a sensor of cytosolic DNA from bacteria and viruses and promotes the production of type I interferon.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38093659
NCBI GeneID	340061
NCBI Accession #	NP_938023.1
NCBI GenBank Nucleotide #	NP_938023.1
UniProt Accession #	Q86WV6
Molecular Weight	Molecular Mass: 33.8kDa Actual Protein Molecular Mass: 35kDa
NCBI Official Full Name	stimulator of interferon genes protein isoform 1
NCBI Official Synonym Full Names	transmembrane protein 173
NCBI Official Symbol	TMEM173
NCBI Official Synonym Symbols	ERIS; MITA; MPYS; SAVI; NET23; STING; hMITA; hSTING; STING-beta
NCBI Protein Information	stimulator of interferon genes protein
UniProt Protein Name	Stimulator of interferon genes protein
UniProt Gene Name	TMEM173
UniProt Synonym Gene Names	ERIS; MITA; STING; hSTING; ERIS; hMITA
UniProt Entry Name	STING_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.