

# Recombinant Human STING/TMEM173 Protein (Sumo & His Tag)



Catalog Number:PKSH033517

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

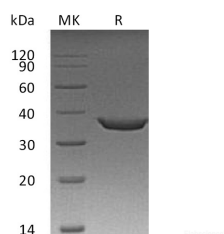
## Description

<b>Synonyms</b>	Stimulator of interferon genes protein;TMEM173;Mediator of IRF3 activation;sting;
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Val155-Val341
<b>Accession</b>	Q86WV6
<b>Calculated Molecular Weight</b>	33.8 kDa
<b>Observed molecular weight</b>	35 kDa
<b>Tag</b>	N-SUMO-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM HEPES, 100mM NaCl, 10% Glycerol, pH8.0.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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.

## For Research Use Only

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