



# Recombinant Human Sting (N-Sumo-6His)

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|------------------------|---|
| <b>Catalog #</b>       | EPT179  |
| <b>Expression Host</b> | E.coli  |
| <b>DESCRIPTION</b>     | Recombinant Human Stimulator of Interferon Genes Protein is produced by our E.coli expression system and the target gene encoding Val155-Val341 is expressed with a 6His, Sumo tag at the N-terminus. |
| <b>Accession</b>       | Q86WV6  |
| <b>Synonyms</b>        | Stimulator of interferon genes protein;TMEM173;Mediator of IRF3 activation;sting;   |
| <b>Mol Mass</b>        | 33.8 KDa  |
| <b>AP Mol Mass</b>     | 35 KDa, reducing conditions   |
| <b>Purity</b>          | Greater than 95% as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>       | Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.  |
| <b>FORMULATION</b>     | Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.  |
| <b>RECONSTITUTION</b>  |   |





## SHIPPING

The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

## STORAGE

Store at  $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt.

Store at  $\leq -70^{\circ}\text{C}$ , stable for 3 months under sterile conditions after opening.

Please minimize freeze-thaw cycles.

## BACKGROUND

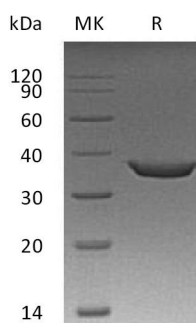
Stimulator of Interferon Gene (Sting, TMEM173) belongs to the TMEM173 family. STING is 379 amino acids (aa) in length. It contains an N-terminal cytoplasmic region (aa 1-20), four transmembrane segments (aa 21-173), and a C-terminal cytoplasmic domain (aa 174-379). It is ubiquitously expressed in skin endothelial cells, alveolar type 2 pneumocytes, bronchial epithelium and alveolar macrophages and. 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 a 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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## **SDS-PAGE**



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