

**Product Name: Recombinant Human Sting (N-Sumo-6His)**  
**Catalog #: PEH1874**

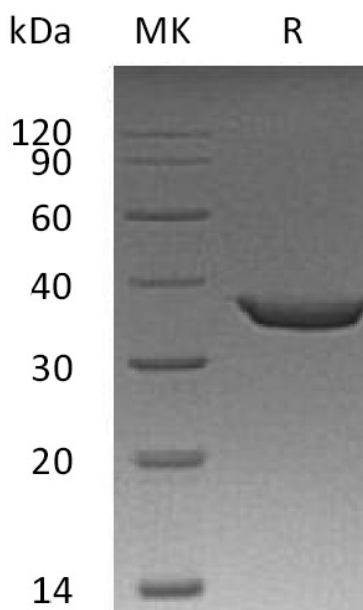
---

## Summary

<b>Name</b>	STING/Stimulator of Interferon Genes Protein/Sting/TMEM173
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</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>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	33.8 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM HEPES, 100mM NaCl, 10% Glycerol, pH8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image

**Product Name: Recombinant Human Sting (N-Sumo-6His)**  
**Catalog #: PEH1874**



### Alternative Names

Stimulator of interferon genes protein;TMEM173;Mediator of IRF3 activation;sting;

### 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.

### Note

For Research Use Only , Not for Diagnostic Use.