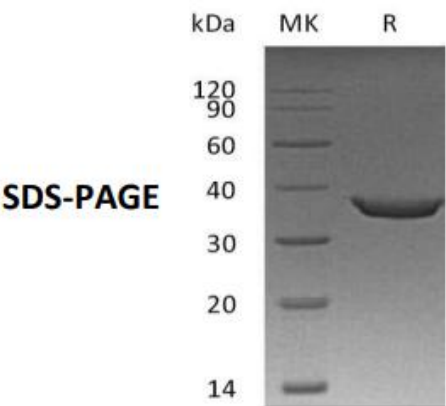


## Recombinant Human Sting (N-Sumo-6His)

Catalog#:P01284    Derived from *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. Accession#: Q86WV6 Known as:Stimulator of interferon genes protein;TMEM173;Mediator of IRF3 activation;sting;
<b>FORMULATION</b>	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
<b>SHIPPING</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>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>QUALITY CONTROL</b>	Mol Mass: 33.8kDa    AP Mol Mass: 35 kDa, reducing conditions. Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
<b>BACKGROUND</b>	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.
 <p><b>SDS-PAGE</b></p> <p>kDa    MK    R</p> <p>120</p> <p>90</p> <p>60</p> <p>40</p> <p>30</p> <p>20</p> <p>14</p>	