

## Product datasheet for **TP727608**

### STING (TMEM173) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Stimulator of Interferon Genes Protein/Sting (N-Sumo-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Val155-Val341
Tag:	N-His&SUMO
Buffer:	Supplied as a 0.2 um filtered solution of PBS, pH 7.4.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	340061
UniProt ID:	<a href="#">Q86WV6</a>
Summary:	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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