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Product Datasheet

Recombinant Human Sting (N-Sumo-6His) EBT-EPT179

Article Name	Recombinant Human Sting (N-Sumo-6His)
Biozol Catalog Number	EBT-EPT179
Supplier Catalog Number	EPT179
Alternative Catalog Number	EBT-EPT179-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	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....
Molecular Weight	Molecular weight: 33.8 KDa. Apparent molecular weight: 35 KDa, reducing conditions
UniProt	Q86WV6
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	<p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p> <p>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</p>
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