

## Recombinant Human STING1 Protein, His-tagged

**Cat. No.** STING1-009H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human STING R224 variant (138-379, N-terminal truncation) with a N-terminally Histidine tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	138-379
<b>Description</b>	This gene encodes a five transmembrane protein that functions as a major regulator of the innate immune response to viral and bacterial infections. The encoded protein is a pattern recognition receptor that detects cytosolic nucleic acids and transmits signals that activate type I interferon responses. The encoded protein has also been shown to play a role in apoptotic signaling by associating with type II major histocompatibility complex. Mutations in this gene are the cause of infantile-onset STING-associated vasculopathy. Alternate splicing results in multiple transcript variants.
<b>Form</b>	50 mM HEPES, pH 8.0, 150 mM sodium chloride, and 10% glycerol
<b>Molecular Mass</b>	28.8 kDa
<b>Purity</b>	≥70% estimated by SDS-PAGE
<b>Stability</b>	≥ 2 years

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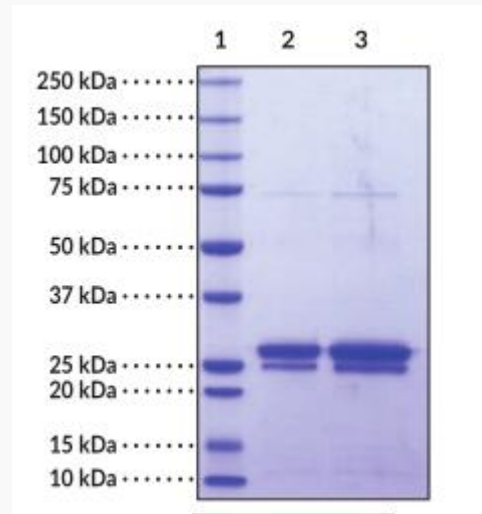
<b>Storage</b>	Store at -80 centigrade
<b>Shipping</b>	Dry ice in continental US; may vary elsewhere
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	STING1 stimulator of interferon response cGAMP interactor 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	STING1
<b>Synonyms</b>	STING1; stimulator of interferon response cGAMP interactor 1; ERIS; MITA; MPYS; SAVI; NET23; STING; hMITA; hSTING; TMEM173; STING-beta; stimulator of interferon genes protein; N-terminal methionine-proline-tyrosine-serine plasma membrane tetraspanner; endoplasmic reticulum IFN stimulator; endoplasmic reticulum interferon stimulator; mitochondrial mediator of IRF3 activation; stimulator of interferon protein; transmembrane protein 173
<b>Gene ID</b>	340061
<b>mRNA Refseq</b>	NM_001367258
<b>Protein Refseq</b>	NP_001354187
<b>MIM</b>	612374

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**SDS-PAGE analysis  
of STING1.**



Lane 1: MW Markers  
Lane 2: STING1 variant (2 g)  
Lane 3: STING1 variant (4 g)

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