

# Recombinant Full Length Human STING Protein, Flag tagged

Cat. No. STING-015HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant protein of human transmembrane protein 173 (TMEM173) with Flag tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293T
<b>ProteinLength</b>	1-379 aa
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	42 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Notes</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Storage Buffer</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Concentration</b>	>0.1 µg/µL as determined by microplate BCA method
<b>Shipping</b>	Dry Ice

## GENE INFORMATION

<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; stimulator of interferon response cGAMP interactor-deltaC; stimulator of interferon response cGAMP interactor-deltaN; sting 1; transmembrane protein 173
<b>Gene ID</b>	340061
<b>mRNA Refseq</b>	NM_198282

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**Protein Refseq** NP\_938023

**MIM** 612374

**UniProt ID** Q86WV6

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