

Recombinant Full Length Human STING1 Protein, C-Flag-tagged

Cat. No. STING1-08HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human STING1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42 kDa
AA Sequence	MPHSSLHPSIPCPRGHGAQKAALVLLSACLVTLWGLGEPPEHTLRYLVLHLASLQLG LLLNGVCSLAEEL RHIHSRYRGSYWRTVRACLGCP LRRGALLLLSIYFYSLPNAVG PPFTWMLALLGLSQALNILLGLKGLA PAEISAVCEKGNFNVAHGLAWSYYIGYLRIL PELQARIRTYNQHYNNLLRGAVSQRLYILLPLDCGVDP NLSMADPNIRFLDKLPQQT

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

GDHAGIKDRVYSNSIYELLENGQRAGTCVLEYATPLQTLFAMSQYSQAGFS REDRL
EQAKLFCRTLEDILADAPESQNNCRLIAYQEPADDSSFSLSQEVLRHLRQEEKEEVT
VGSLKTSA
VPSTSTMSQPELLISGMEKPLPLRTDFSTRTRPLEQKLISEEDLAANDILDYKDDDD
KV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway
Full Length	Full L.

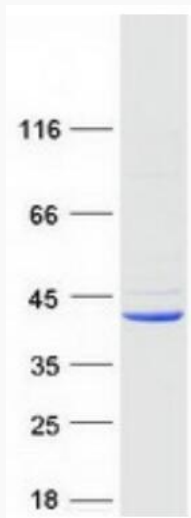
GENE INFORMATION

Gene Name	STING1 stimulator of interferon response cGAMP interactor 1 [Homo sapiens (human)]
Official Symbol	STING1
Synonyms	ERIS; hMITA; hSTING; MITA; MPYS; NET23; SAVI; STING; STING-beta; TMEM173

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Gene ID	340061
mRNA Refseq	NM_198282.4
Protein Refseq	NP_938023.1
MIM	612374
UniProt ID	Q86WV6
SDS-PAGE	 Coomassie blue staining of purified TMEM173 protein.