Recombinant Human STING1 R232, K224R mutant Protein, His-tagged

Cat. No. STING1-149H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	N-terminally Histidine-tagged human STING R232, K224R mutant purified from E. coli.
Species	Human
Source	E.coli
ProteinLength	138-379 (N-terminal truncation)
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.
Molecular Mass	28.8 kDa
Purity	≥70% estimated by SDS-PAGE
Stability	≥ 1 year

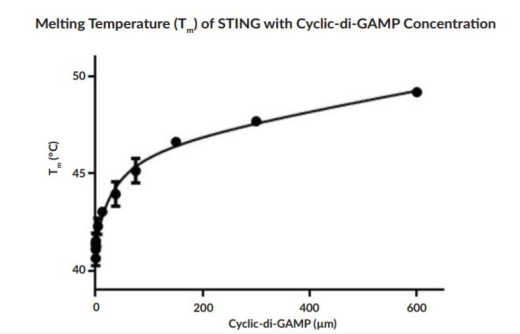
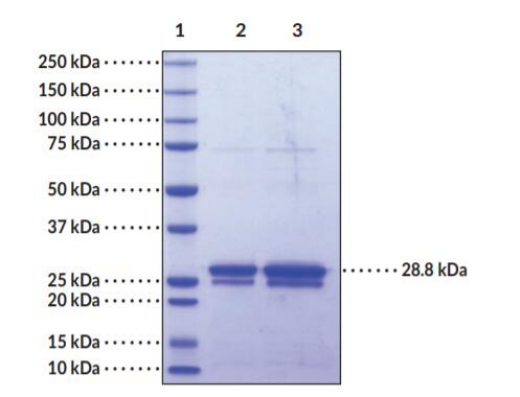
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Storage	At -80 centigrade.
Storage Buffer	50 mM HEPES, pH 8.0, with 150 mM sodium chloride, and 10% glycerol

GENE INFORMATION

Gene Name	STING1 stimulator of interferon response cGAMP interactor 1 [Homo sapiens (human)]
Official Symbol	STING1
Synonyms	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
Gene ID	340061
mRNA Refseq	NM_198282
Protein Refseq	NP_938023
MIM	612374
UniProt ID	Q86WV6

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Binding Activity of STING R224 variant (human, recombinant)	
SDS-PAGE Analysis of STING1	 Lane 1: MW Markers Lane 2: STING R224 variant (2 μg) Lane 3: STING R224 variant (4 μg)

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