

Recombinant Human STING1 Protein (R232 variant), His-tagged

Cat. No. STING1-15H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant STING corresponding to amino acids 139-379 of human STING R232 allele was expressed in E. coli cells and contains a His tag at the N-terminus.

Species

Human

Source

E.coli

ProteinLength

Leu139-Ser379

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.

AA Sequence

MGHHHHHHHGGSLAPAEISAVCEKGNFNVAHGLAWSYYIGYLRLLPELQARIRTYN
 QHYNNLLRGAVSQRLYILLPLDCGVPDNLMSADPNIRFLDKLPQQTGDRAGIKDRVY
 SNSIYELLENGQRAGTCVLEYATPLQTLFAMSQYSQAGFSREDRLEQAKLFCRTLED
 ILADAPESQNNCRLIA YQEPADDSSFSLSQEVLRHLRQEEKEEVTGSLKTSAVPST
 STMSQEPPELLISGMEKPLPLRTDFS

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Purity	> 90% as analyzed by SDS-PAGE
Notes	This product is for laboratory research use only.
Storage	The product can be stored at -20 centigrade or below. Avoid repeated freezing and thawing cycles.
Storage Buffer	20 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol, 2 mM DTT, 0.1% Tween 20

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

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UniProt ID

D6RID9

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