

Recombinant Human STING R232 variant, N242A mutant, His tagged

Cat. No. STING-03H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human N-terminal His-tagged STING R232 variant (Y240A mutant) expressed in E. coli

Species Human

Source E.coli

ProteinLength 138-379 aa

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 50 mM HEPES, pH 8.0, 100 mM sodium chloride, 10% glycerol

Molecular Mass 28.73 kDa

Purity ≥65% estimated by SDS-PAGE

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Storage At -80 centigrade. Stability: ≥ 1 year

Shipping Dry ice in continental US; may vary elsewhere

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; stimulator of interferon response cGAMP interactor-deltaC; stimulator of interferon response cGAMP interactor-deltaN; sting 1; transmembrane protein 173

Gene ID 340061

mRNA Refseq NM_198282

Protein Refseq NP_938023

MIM 612374

UniProt ID Q86WV6

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