Human STING1 Knockdown Cell Lysate

Cat. No. STING1-436HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated STING1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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	Cell-Tissue Lysis buffer
Molecular Mass	42 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg STING1 KD HeLa cell lysate
Protein Pathways	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway
Lysate QC	RT-qPCR; Western Blotting (WB)

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

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MIM	612374
UniProt ID	Q86WV6

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