PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	STING1
Synonyms	ERIS; hMITA; hSTING; MITA; MPYS; NET23; SAVI; STING; STING-beta; TMEM173
Description	Human STING1-Strep full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	Q86WV6
Expression Host	HEK293
Protein Families	Transmembrane
Protein Pathways	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway
Molecular Weight	The human full length STING1-Strep protein has a MW of 42.2 kDa
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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.
Usage	Research use only
Conjugate	Unconjugated

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