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Recombinant Human STING1 Protein

Catalog No.: RP03542LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
	340061	Q86WV6

Tags
C-His-TEV

Synonyms
STING; hMITA; hSTING; TMEM173; STING-beta

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
28kDa

Observed MW

Endotoxin
Please contact us for more information.

Formulation
Supplied as sterile 25 mM HEPES pH 7.5, 150 mM NaCl.

Reconstitution
Please use running water to thaw it quickly.

Background

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.

Basic Information

Description
Recombinant Human STING1 Protein is produced by E. coli expression system. The target protein is expressed with sequence (Glu149-Ser379) of human STING1 (Accession #NP_938023.1) fused with His and TEV tag at the C-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.
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Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

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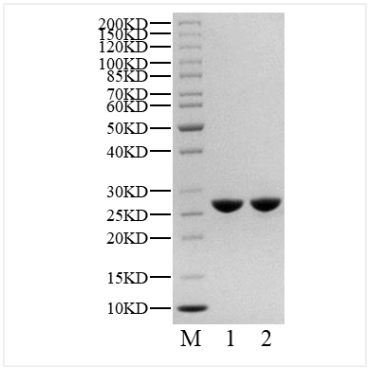
Validation Data



Recombinant Human STING1 was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.