Recombinant Human TRIM38 Protein (A2-D465), Tag Free

Cat. No. TRIM38-0419H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human (GG)-TRIM38(A2-D465 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	A2-D465
Description	E3 ubiquitin-protein and E3 SUMO-protein ligase that acts as a regulator of innate immunity. Acts as a negative regulator of type I interferon IFN-beta production by catalyzing 'Lys-48'-linked polyubiquitination of AZI2/NAP1, leading to its degradation. Mediates 'Lys-48'-linked polyubiquitination and proteasomal degradation of the critical TLR adapter TICAM1, inhibiting TLR3-mediated type I interferon signaling. Acts as positive regulator of the cGAS-STING pathway by acting as a E3 SUMO-protein ligase: mediates sumoylation of CGAS and STING, preventing their degradation and thereby activating the innate immune response to DNA virus. Also acts as a negative regulator of NF-kappa-B signaling independently of its E3 protein ligase activity by promoting lysosome-dependent degradation of TAB2 and TAB3 adapters.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	TRIM38 tripartite motif containing 38 [Homo sapiens (human)]
Official Symbol	TRIM38
Synonyms	TRIM38; tripartite motif containing 38; ring finger protein 15, RNF15, tripartite motif containing 38; tripartite motif-containing protein 38; RORET; ring finger protein 15; zinc finger protein RoRet; zinc-finger protein RoRet; tripartite motif-containing 38; Ro/SSA ribonucleoprotein homolog; RNF15; MGC8946;
Gene ID	10475
mRNA Refseq	NM_006355
Protein Refseq	NP_006346
UniProt ID	O00635

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