Recombinant Mycobacterium Tuberculosis RELG Protein (1-87 aa), His-SUMO-tagged

Cat. No. RELG-2216M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mycobacterium Tuberculosis (strain ATCC 25618/H37Rv) RELG Protein (1-87 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Mycobacterium Tuberculosis
Source	E.coli
ProteinLength	1-87 aa
Description	Toxic component of a toxin-antitoxin (TA) module. Has RNase activity and preferentially cleaves at the 3'-end of purine ribonucleotides. Overexpression in M.tuberculosis or M.smegmatis inhibits colony formation in a bacteriostatic rather than bacteriocidal fashion. Its toxic effect is neutralized by coexpression with cognate antitoxin RelB2 (shown only for M.smegmatis). Overexpression also increases the number of gentamicin-tolerant and levofloxacin-tolerant persister cells.
Form	Tris-based buffer,50% glycerol
Molecular Mass	26.2 kDa
AA Sequence	MPYTVRFTTTARRDLHKLPPRILAAVVEFAFGDLSREPLRVGKPLRRELAGTFSARR GTYRLLYRIDDEHTTVVILRVDHRADIYRR

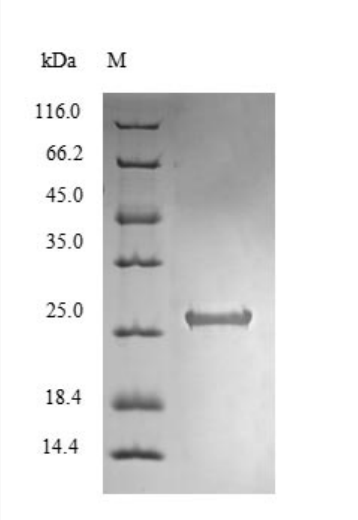
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	relG toxin RelG [Mycobacterium tuberculosis H37Rv]
Official Symbol	RELG
Synonyms	relG; Putative endoribonuclease RelG; relE2;
Gene ID	887450
Protein Refseq	NP_217382
UniProt ID	O33348

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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