

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

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Cat.No.</b>          | RELG-2216M  |
| <b>Species</b>          | Mycobacterium Tuberculosis  |
| <b>Product Name</b>     | Recombinant Mycobacterium Tuberculosis RELG Protein (1-87 aa), His-SUMO-tagged  |
| <b>Product Overview</b> | 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.  |
| <b>Description</b>      | 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. |
| <b>Source</b>           | E. coli   |
| <b>Tag</b>              | His/SUMO  |
| <b>Form</b>             | Tris-based buffer,50% glycerol  |
| <b>Molecular Mass</b>   | 26.2 kDa  |
| <b>Protein length</b>   | 1-87 aa   |
| <b>AA Sequence</b>      | MPYTVRFTHHTARRDLHKLPPRILAAVVEFAFGDLSREPLRVGKPLRRELAGTFSARRG<br>TYRLLYRIDDEHTTVVILRVDHRADIYRR  |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.  |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.  |
| <b>Storage</b>          | 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  |

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| <b>Concentration</b>   | A hardcopy of COA will be sent along with the products. Please refer to it for detailed information. |
| <b>Gene Name</b>       | <a href="#">relG toxin RelG [ Mycobacterium tuberculosis H37Rv ]</a>                                 |
| <b>Official Symbol</b> | <a href="#">RELG</a>   |
| <b>Synonyms</b>        | relG; Putative endoribonuclease RelG; relE2;   |
| <b>Gene ID</b>         | <a href="#">887450</a>   |
| <b>Protein Refseq</b>  | <a href="#">NP_217382</a>  |
| <b>UniProt ID</b>      | <a href="#">O33348</a>   |
| <b>Figure 1</b>        | RELG-2216M, 1.jpg  |
| <b>Figure Note 1</b>   | (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.   |