

## Recombinant Yersinia pestis groL antigen, His-tagged

**Cat. No.** groL-54Y    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Yersinia pestis groL antigen with a His-tag was expressed in E. coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Yersinia pestis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | The Yersinia pestis bacterium is associated with the disease known as plague.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 59.7 kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | <p>MGSSHHHHHSSGLVPRGSHMMAAKDVKFGNDARIKMLRGVNILADAVKVTLGPK<br/> GRNVLDKSFGSPTITKDGVSVAEIELEDKFENMGAQMVKEVASKANDAAGDGT<br/> TATVLAQSIITEGLKAVAAGMNPMDLKRIGDKAVIAAVEELKKLSVPCSDSKAIAQVGT<br/> ISANS DSTVGELIAQAMEKVGKEGVITVEEGSGLQDEL DVVEGMQFDRGYLSPYFIN<br/> KPETGSIELESPFILLADKKISNIREMLPVLEAVAKAGKPLIIAEDVEGEALATLVVNT<br/> MRGIVKVA AVKAPGFGDRRKAMLQDIATLTAGTVISEEIGLELEKTTLEDLGQAKRVVI<br/> NKDTTIIIDGVGDEAAIQGRVAQIRQQIEDATSDYDKEKLQERVAKL AGGVAVIKVGAA<br/> TEVEMKEKKARVEDALHATRAAVEEGVVAGGGVALIRAAHA IAGLKGDNEDQNVGIK<br/> VALRAMESPLRQIVVNAGEEASVIANKVKAGEGSFGYNAYTEEYGDMIAMGILDPTK<br/> VTRSALQYAASIAGLMITTECMVTDLP RDDKGADMGAGGMGGMGGMGMM</p> |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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**Concentration** 0.43 mg/mL

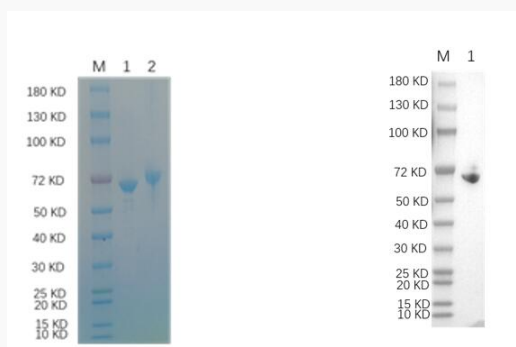
**Storage Buffer** 50mM Tris, 300mM NaCl, pH 8.0

## GENE INFORMATION

**Official Symbol** groL

**Synonyms** groL

### SDS-PAGE:



Reducing 12% SDS-PAGE and WB analysis profile of purified *Yersinia pestis* groL antigen

1. BSA

2. *Yersinia pestis* groL antigen

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