

# Recombinant Yersinia Pestis GROL Protein (1-548 aa), His-tagged

**Cat. No.** GROL-1631Y    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Yersinia Pestis (strain Pestoides F) GROL Protein (1-548 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
<b>Species</b>	Yersinia Pestis
<b>Source</b>	Yeast
<b>ProteinLength</b>	1-548 aa
<b>Description</b>	Prevents misfolding and promotes the refolding and proper assembly of unfolded polypeptides generated under stress conditions.
<b>Form</b>	Tris-based buffer,50% glycerol
<b>Molecular Mass</b>	59.4 kDa
<b>AA Sequence</b>	<p>MAAKDVKFGNDARIKMLRGVNILADAVKVTLGPKGRNVVLDKSFSGSPTITKDGVSVA  REIELEDKFENMGAQMVKEVASKANDAAGDGTATVLAQSIITEGLKAVAAGMNP  DLKRGIDKAVIAAVEELKKSVPSCSDSKAIAQVGTISANSSTVGEVIAQAMEKVGKE  GVITVEEGSGLQDELDDVEGMQFDRGYLSPYFINKPETGSIELESPFILLADKKISNIR  EMLPVLEAVAKAGKPLIIAEDVEGEALATLVVNTMRGIVKVAVKAPFGDRRKAML  QDIATLTAGTVISEEIGLELEKTTLEDLGQAKRVVINKDTHIIDGVGDEAAIQGRVAQIR  QQIEDATSDYDKEKLQERVAKLAGGVAVIKVGAATEVEMKEKKARVEDALHATRAAV</p>

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EEGVVAGGGVALIRAAHAIAGLKGDNEDQNVGIKVALRAMESPLRQIVVNAGEEASV  
IANKVKAGEGSFGYNAYTEEYGDMIAMGILDPTKVTRSALQYAASIAGLMITTECMVT  
DLPRDDKGADMGAGGMGGMGGMGGMM

**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 with reconstitution instruction is sent along with the products.

## GENE INFORMATION

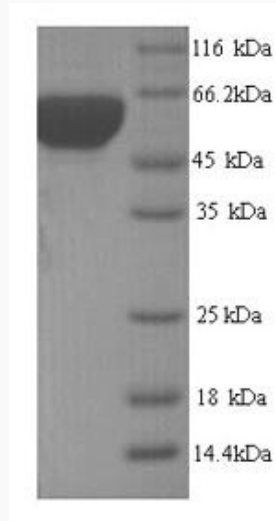
**Synonyms** groL; GroEL protein; UniRule annotation Protein Cpn60;

**UniProt ID** [A4TRR0](#)

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

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