Recombinant Francisella tularensis groL antigen, His-tagged

Cat. No. groL-09F **Lot. No.** (See product label)

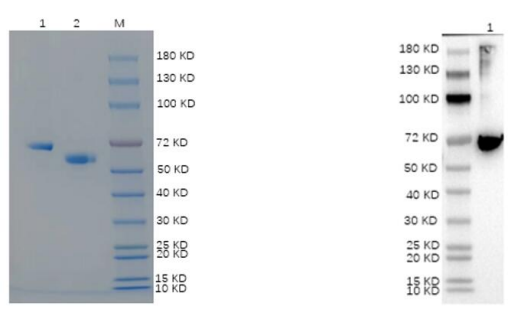
SPECIFICATION

Product Overview	Recombinant Francisella tularensis groL antigen with a His-tag was expressed in E. coli
Species	Francisella tularensis
Source	E.coli
Description	Francisella tularensis is a gram-negative bacteria (Gram-negative bacteria contain an outer membrane outside the peptidoglycan cell wall, unlike Gram-positive bacteria that have a thicker layer of cell wall and no outer membrane. Many of the Gram-negative bacteria are pathogenic), with pili on the surface. It is nonmotile, aerobic, and non-spore forming bacteria. In nature, it can survive up to weeks at low temperatures in water, soil, and animal carcasses. In laboratory settings, Francisella tularensis appears as small rods (0.2 by 0.2 μm), and is grown best at 35-37 degrees Celcius.
Molecular Mass	The protein has a calculated MW of 59.7 kDa.
AA Sequence	MGSSHHHHHHSSGLVPRGSHMMAAKQVLFSDEARAKMLDGVNTLANAVKVTLGPK GRNVVLDKSFGTPTITKDGVSVAKEIELEDKFENMGAQIVKEVASKTADVAGDGTTT ATVLAQALLTEGLKAVAAGMNPMDLKRGIDKATARLVEELKALSKPCSDPKSIEQVG TISANSDATVGKLIADAMAKVGKEGVITVEEGKGFEDELDVVEGMQFDRGYLSPYFA TNQENMTTDLENPYILIVDKKISNIRDLLPILEGVSKSGRALLIIAEDVESEALATLVVNN MRGVVKVCAVKAPGFGDRRKAMLEDIATLTGATFVSEDLSMKLEETNMEHLGTASR

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	VQVTKDNTTIIDGAGEKEAIAKRINVIKANIAEANSDYDREKLQERLAKLSGGVAVIKV GAVTEAEMKEKKDRVDDALHATRAAVEEGIVAGGGVALIRAQKALDGLTGENDDQN YGIALLRKAIEAPLRQIVSNAGGESSVVVNQVKANQGNYGYNAANDTYGDMVEMGIL DPTKVTRSALQHAASIAGLMITTEAMIGEIKEAAPAMPMGGGMGGMPGMM
Purity	>90% by SDS-PAGE
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.
Concentration	0.5 mg/mL
Storage Buffer	PBS, pH 7.4, 0.05% SKL

GENE INFORMATION

Official Symbol	groL
Synonyms	groL
SDS-PAGE:	 Reducing 12% SDS-PAGE and WB analysis profile of purified Francisella tularensis groL antigen

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	1. BSA 2. Francisella tularensis groL antigen

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