

Recombinant Lactobacillus reuteri 60 kDa
chaperonin(groL)



Catalog No: #AP73731

Orders: order@abscitech.com

Package Size: #AP73731-1 10ug #AP73731-2 50ug #AP73731-3 100ug #AP73731-4 200ug #AP73731-5 500ug #AP73731-6 1mg

Support: tech@abscitech.com

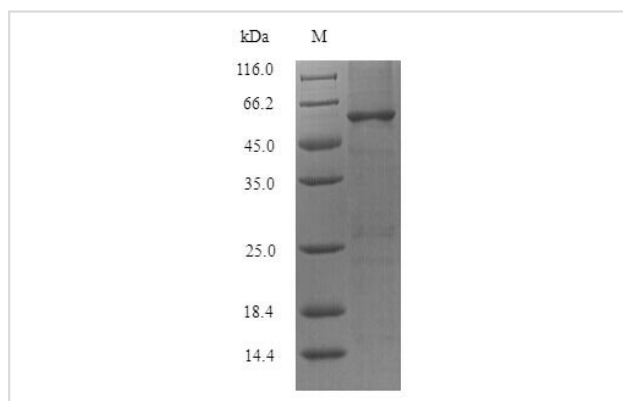
Description

Product Name	Recombinant Lactobacillus reuteri 60 kDa chaperonin(groL)
Brief Description	Recombinant Protein
Host Species	Yeast
Target Name	groL
Other Names	GroEL protein,Protein Cpn60
Accession No.	Uniprot ID: A5VIE9
Target Species	Lactobacillus reuteri (strain DSM 20016)
SDS-PAGE MW	59.12kDa
Target Length	Full Length, 1-542aa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MAKEIKFSEDARSAMLSGVDKLADTVKTTMGPKGRNVVLEQSYGTPITNDGVITAKSIELENQFENMGAKLVA EVASKTNDIAGDGTTTATVLTQAIVNAGMKNVTSGANPVGIRRGIDKATEVAVEALKKMSHDVKTDDIEQIASI SAANPEVGKLIADAMEKVGHDGVITIEDSRGVDTSVDVVEGMSFDRGYMSQYMTDNDKMEADLDNPYILITD KKISNIQDILPLLQSVVQEGRALLIADDITGEALPTLVLNKIRGTFNVVSVKAPGFGDRRKAQLQDIAVLTTGGTVI SDDLGMSLKDATVDQLGQANKVTVTKDTTIVDGAGSKEAIQERVQDIKQEIAKSTSDFDKEKLQERLAKLSGG VAVVKVGAATETELKEKKYRIEDALNATRAAVQEGFVPGGGTALINVIPALDKIEADGDELTGINIVKAALEAPVR QIAENAGVEGSVIVNELKNEKEGIGYNAADGKFEDMIKAGIVDPTMVTRSALQNAASVSALLLTTEAVVADKPD PNANNQAPAAPQGGMGMM
Formulation	Tris-based buffer,50% glycerol
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.

Application Details

Greater than 90% as determined by SDS-PAGE.

Images



Background

Prevents misfolding and promotes the refolding and proper assembly of unfolded polypeptides generated under stress conditions.

References

"The evolution of host specialization in the vertebrate gut symbiont *Lactobacillus reuteri*." Frese S.A., Benson A.K., Tannock G.W., Loach D.M., Kim J., Zhang M., Oh P.L., Heng N.C., Patil P.B., Juge N., Mackenzie D.A., Pearson B.M., Lapidus A., Dalin E., Tice H., Goltsman E., Land M., Hauser L. Walter J. PLoS Genet. 7:E1001314-E1001314(2011)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.