

Recombinant E. coli LACI Protein

Catalog #	Source	Reactivity	Applications
CRP1867	E. coli	E. coli	E, WB, SDS-PAGE, MS
Description	Recombinant E. coli LACI Protein is produced by our E. coli expression system and the target gene encoding Met1-Gln360 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 μM filtered solution of 20mM Tris, 300mM NaCl, 5mM DTT, pH 8.0.		
Gene Symbol	LACI		
Alternative Names	Lactose operon repressor		
Entrez Gene	945007 (E. coli)		
SwissProt	P03023 (E. coli)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MKPVTLVDVA EYAGVSYQTV SRVVNQASHV SAKTREKVEA AMAELNYIPN RVAQQLAGKQ SLLIGVATSS LALHAPSQIV AAIKSRADQL GASVVVSMVE RSGVEACKAA VHNLLAQRVS GLIINYPLDD QDAIAVEAAC TNVPALFLDV SDQTPINSII FSHEDGTRLG VEHLVALGHQ QIALLAGPLS SVSARLRLAG WHKYLTRNQi QPIAEREGDW SAMSGFQQTM QMLNEGIVPT AMLVANDQMA LGAMRAITES GLRVGADISV VGYDDTEDSS CYIPPLTTIK QDFRLLGQTS VDRLLQLSQG QAVKGNQLLP VSLVKRKTTL APNTQTASPR ALADSLMQLA RQVSRLESGQ HHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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