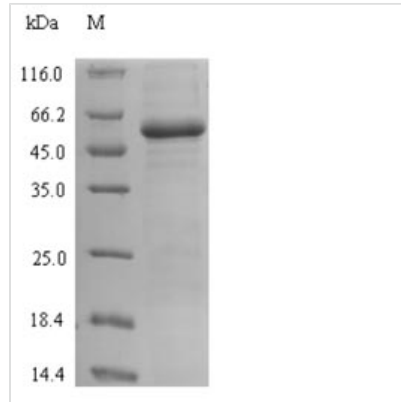




Recombinant Escherichia coli Lactose operon repressor (lacI)

Product Code	CSB-EP365825ENV
Relevance	Repressor of the lactose operon. Binds allolactose as an inducer.
Abbreviation	Recombinant E.coli lacI protein
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.
Uniprot No.	P03023
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MKPVTLYDVAEYAGVSYQTVSRVVNQASHVSAKTREKVEAAMAELNYIPNRV AQLLAGKQSLIGVATSSALHAPSQIVAAIKSRADQLGASVVVSMVERSGVEA CKAAVHNLLAQRVSGLIINYPLDDQDAIAVEAACTNVPALFLDVSDQTPINSIIFS HEDGTRLGVEHLVALGHQQIALLAGPLSSVSARLRLAGWHKYLTRNQIQPIAE REGDWSAMSGFQQTMQMLNEGIVPTAMLVANDQMALGAMRAITESGLRVGA DISVVGYYDDTEDSSCYIPPLTTIKQDFRLLGQTSVDRLQLLSQGGQAVKGNQLLP VSLVKRKTTLAPNTQTASPRALADSLMQLARQVSRLESGQ
Research Area	Microbiology
Source	E.coli
Target Names	lacI
Protein Names	Recommended name: Lactose operon repressor
Expression Region	1-360aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	54.6kDa
Protein Length	Full Length
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.