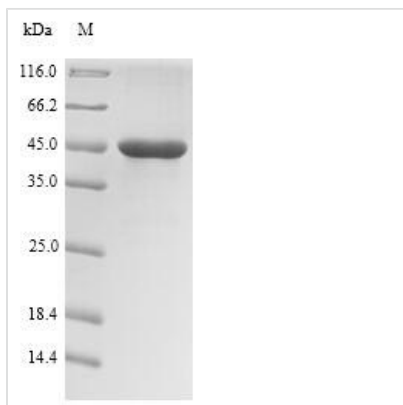




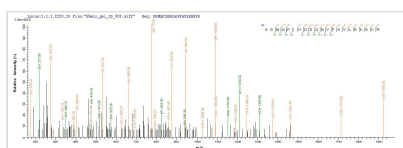
Recombinant *Pseudomonas aeruginosa* Regulatory protein RhIR (rhIR)

Product Code	CSB-EP346531EZC
Relevance	Necessary for transcriptional activation of the rhIAB genes encoding the rhamnosyltransferase. It also functions as a transcriptional activator of elastase structural gene (lasB). Binds to autoinducer molecules BHL (N-butanoyl-L-homoserine lactone), and HHL (N-hexanoyl-L-homoserine lactone).
Abbreviation	Recombinant <i>Pseudomonas aeruginosa</i> rhIR 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.	P54292
Alias	Elastase modulator
Product Type	Recombinant Protein
Immunogen Species	<i>Pseudomonas aeruginosa</i>
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MRNDGGFLLWWDGLRSEMQPIHDSQGVFAVLEKEVRRRLGFDYYAYGVRHTIP FTRPKTEVHGTYPKAWLERYQMNYGAVDPAILNGLRSSEMVVWSDSLFDQ SRMLWNEARDWGLCVGATLPIRAPNNLLSVLSVARDQQNISSFEREEIRLRLR CMIELLTQKLTDLHPMLMSNPVCLSHREREILQWTADGKSSGEIAIILSISEST VNFHHKNIQKKFDAPNKTLAAAYAAALGLI
Research Area	others
Source	E.coli
Target Names	rhIR
Protein Names	Recommended name: Regulatory protein rhIR Alternative name(s): Elastase modulator
Expression Region	1-241aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	47.6kDa
Protein Length	Full Length

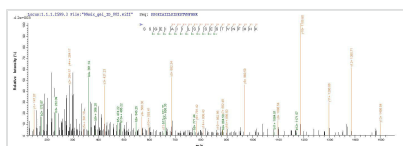
Image



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP346531EZC could indicate that this peptide derived from E.coli-expressed *Pseudomonas aeruginosa* (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PRS 101 / PAO1) rhIR.



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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.