

## RhIR Protein, Pseudomonas aeruginosa, Recombinant (His &amp; Myc &amp; SUMO)

## General Information

Synonyms:	HTH-type quorum-sensing regulator RhIR; lasM; Elastase modulator; Regulatory protein RhIR; vsmR; rhIR
Protein Construction:	1-241 aa
Species:	Pseudomonas aeruginosa
Expression Host:	E. coli
Accession:	P54292
Molecular Weight:	47.6 kDa (predicted)
AA Sequence:	MRNDGGFLLWWDGLRSEMQPIHDSQGVFAVLEKEVRRLLGFDYYAYGVRHTIPFTRPKTEVHGTYPKAWLER YQMQNYGAVDPAILNGLRSSEMVVWSDSLFDQSRMLWNEARDWGLCVGATLPIRAPNNLLSVLSVARDQQ NISSFEREIIRLRLRCMIELLTQKLTDLHPMLMSNPVCLSHREREILQWTADGKSSGEIAIILSISESTVNFHKK IQKKFDAPNKTLAAAYAAALGLI

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

Necessary for transcriptional activation of the rhlAB 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).

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481