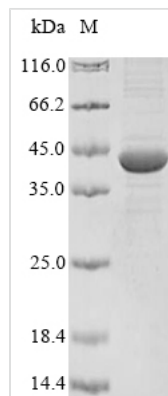




# Recombinant *Pseudomonas aeruginosa* Exotoxin A regulatory protein (toxR)

<b>Product Code</b>	CSB-EP357792FQE
<b>Abbreviation</b>	Recombinant <i>Pseudomonas aeruginosa</i> toxR protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P09852
<b>Storage Buffer</b>	Tris-based buffer, 50% glycerol
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	<i>Pseudomonas aeruginosa</i> (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PRS 101 / PAO1)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	MTATDRTPPPLKWLC LGNRDANDGFELFAHGIYARNGALVGSKLSLRERRQR VDLSAFLSGAPLLAEAAVKHLLARLLCVHRHNTDLELLGKNFIPLHASSLGNA GVCERILASARQLQQHQVELCLLLAIDEQEPASAEYLTSLARLRDSGVRIALHP QRIDTDARQCFAEVDAGLCDYLGLDARLLAPGPLTRNLRQRKSIEYLNRLLLVA QDIQMLCLNVDNEELHQQANALPFAFRHGRHYSEPFQAWPFSSPAC
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	toxR
<b>Protein Names</b>	Recommended name: Exotoxin A regulatory protein
<b>Expression Region</b>	1-259aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-KSI-tagged
<b>Mol. Weight</b>	44.2 kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



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

## Description

The expression of the recombinant *Pseudomonas aeruginosa* (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PRS 101 / PAO1) *toxR* protein involves the construction of a plasmid encoding the *Pseudomonas aeruginosa* (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PRS 101 / PAO1) *toxR* protein (1-259aa). This resulting plasmid is introduced into *e.coli* cells. Positive *e.coli* cells are selected and cultured for the protein expression. The protein is fused with a N-terminal 6xHis-KSI tag. After that, cultured cells are lysed. The subsequent step includes purifying the recombinant *Pseudomonas aeruginosa* (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PRS 101 / PAO1) *toxR* protein through affinity purification from the cell lysate and assessing the purity of the protein via SDS-PAGE. The purity of the recombinant *toxR* protein is greater than 85%.

## 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.