

Recombinant Escherichia coli O6:H1 clpB Protein (M1-Q857), His-tagged

Cat. No. clpB-1414E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli O6:H1 6His-TEV-ClpB(M1-Q857) (K476C) protein with a His tag was expressed in E. coli
Species	E.coli
Source	E.coli
ProteinLength	M1-Q857
Description	Part of a stress-induced multi-chaperone system, it is involved in the recovery of the cell from heat-induced damage, in cooperation with DnaK, DnaJ and GrpE. Acts before DnaK, in the processing of protein aggregates. Protein binding stimulates the ATPase activity; ATP hydrolysis unfolds the denatured protein aggregates, which probably helps expose new hydrophobic binding sites on the surface of ClpB-bound aggregates, contributing to the solubilization and refolding of denatured protein aggregates by DnaK.
Form	Liquid
Endotoxin	< 0.01 EU/μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80

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	centigrade
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	clpB ATP-dependent chaperone ClpB [Shigella sonnei]
Official Symbol	clpB
Synonyms	clpB; ATP-dependent chaperone ClpB; ATP-dependent chaperone ClpB
Gene ID	66673518
Protein Refseq	WP_001235102
UniProt ID	P63286

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