

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

Cat. No. clpB-1413E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli O6:H1 ClpB(M1-Q857) (K476C) protein without 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 centigrade

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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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