

## Recombinant E. coli LON PROTEASE Protein, His tagged

**Cat. No.** LON PROTEASE-53E    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	The E. coli LON PROTEASE Protein, His Tag(KMP4411) is produced in E. coli. A DNA sequence encoding E.coil Lon (P0A9M0) (Met1-Lys784) was expressed with a polyhistidine tag at the C-terminus.
<b>Species</b>	E.coil
<b>Source</b>	E.coil
<b>Description</b>	Lon protease, an ATP-dependent mitochondrial protease, is important in mitochondrial protein maintenance. Lon protease is a multifunctional enzyme, and its functions include the degradation of damaged proteins and naturally short-lived proteins, ATPase and chaperone-like activities, as well as DNA binding. Lon protease plays a major role in the protein quality control system in mammalian cell mitochondria. It is present in the mitochondrial matrix and degrades oxidized and misfolded proteins, thereby protecting the cell from various extracellular stresses, including oxidative stress. The intellectual disability-associated and thalidomide-binding protein cereblon (CRBN) contains a large, highly conserved Lon domain. The Lon ATP-dependent protease plays an important role in regulating many biological processes in bacteria.
<b>Molecular Mass</b>	88.3 kDa
<b>Purification</b>	Affinity purification
<b>Endotoxin</b>	<1.0

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	EU/μg determined by the LAL method
<b>Purity</b>	> 90% determined by SDS-PAGE
<b>Storage</b>	Aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	PBS, 10% Glycerol, pH7.4
<b>Shipping</b>	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. If supplied as liquid, the proteins will be shipped with dry ice.
<b>GENE INFORMATION</b>	
<b>Synonyms</b>	LON PROTEASE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA