Recombinant Mycoplasma Pneumoniae LON Protein (1-206 aa), His-SUMO-tagged

Cat. No. LON-2009M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mycoplasma Pneumoniae (strain ATCC 29342/M129) LON Protein (1-206 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cell Biology. Protein Description: Partial.
Species	Mycoplasma Pneumoniae
Source	E.coli
ProteinLength	1-206 aa
Description	ATP-dependent serine protease that mediates the selective degradation of mutant and abnormal proteins as well as certain short-lived regulatory proteins. Required for cellular homeostasis and for survival from DNA damage and developmental changes induced by stress. Degrades polypeptides processively to yield small peptide fragments that are 5 to 10 amino acids long. Binds to DNA in a double-stranded, site-specific manner.
Form	Tris-based buffer,50% glycerol
Molecular Mass	39.8 kDa
AA Sequence	MPAVKKPQILVVRNQVIFPYNGFELDVGRERSKKLIKALKNLKTKRLVLVTQKNSDQL NPEFDDIYHCGTLCDIDEIIEVPSEDGKTADYKIKGKGLQRVAITSFSDADLTKYDHHF

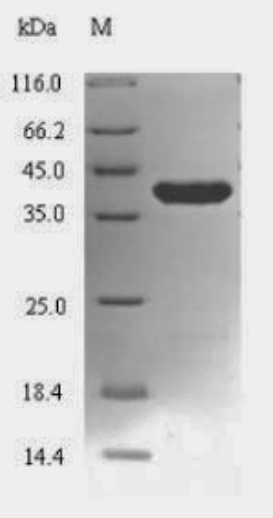
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	LNSTLTENKALDKLLERIFPDKEDFAEILDSLNSFLELQELKKLSKVPKDIKRYDIITFKL ASLIFKDITLQQAILEENDIEKRLQKII
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	lon Lon protease [Mycoplasma pneumoniae M129]
Official Symbol	LON
Synonyms	lon; F10_orf795;
Gene ID	877195
Protein Refseq	NP_110020
UniProt ID	P78025

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

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