

## Lysyl endopeptidase Protein, Lysobacter enzymogenes, Recombinant (His &amp; SUMOstar)

## General Information

Synonyms: Lys-C;Lysyl endopeptidase

Protein Construction: 1-269 aa

Species: Lysobacter enzymogenes

Expression Host: P. pastoris (Yeast)

Accession: Q7M135

Molecular Weight: 44.0 kDa (predicted)

AA Sequence: GVSGSCNIDVVCPEGNHRDVIRSVAAYSKQGTMWCTGSLVNNNSANDKKMYFLTANHCGMTTAAIASSMV  
VYWNYQNSTCRAPGSSSSGANGDGLAQSQTGAVVRATNAASDFTLLELNTAANPAYNLFWAGWDRRDQ  
NFAGATAIHHPNVAEKRISHSTVATEISGYNGATGTSHLHVFWQASGGVTEPGSSGSPiYSPEKRVLGQLHGG  
PSSCSATGADRSDYYGRVFTSWTGGGTSATRLSDWLDAAGTGAQFIDGLDSTGTPPV

## QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

Highly specific endopeptidase that hydrolyzes lysyl bonds including the Lys-Pro bond.

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