

Protease 7 Protein, E. coli O157:H7, Recombinant (G236K K237G, His & SUMO)

General Information

Synonyms:	Omptin;Protease 7;Protease A;Protease VII;ompT;Outer membrane protein 3B
Protein Construction:	21-317 aa
Species:	E. coli
Expression Host:	E. coli
Accession:	P58603
Molecular Weight:	49.5 kDa (predicted)
AA Sequence:	STETLSFTPNDINADISLGLTSGKTKERVYLAEEGGRKVSQLDWFNNAIIKGAİNWDLMPQISİGAAGWTTL GSRGGNMVDQDWMDSSNPGTWTDES RHPDTQLNYANEFDLNIKGWLLNEPNYRLGLMAGYQESRYSTFA RGGSYİYSSEEGFRDDİGSFPNGERAİGYKQRFKMPYİGLTGSYRYEDFELGGTFKYSGWVEASDNDEHYDPK GRİTYRSKVKDQNYYSVSVNAGYVTPNAKVYVEGTWNRVTNKKGNTSLYDHNDNTSDYSKNGAGİENYNF İTTAGLKİYTF

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:	> 90% 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:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & 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

Protease that can cleave T7 RNA polymerase, ferric enterobactin receptor protein (FEP), antimicrobial peptide protamine and other proteins. This protease has a specificity for paired basic residues.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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