

Protease 7/OmpT Protein, E.coli (His)

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| Cat. No.: | HY-P71483 |
| Synonyms: | ompT; b0565; JW0554; Protease 7; EC 3.4.23.49; OmpT; Outer membrane protein 3B; Protease A; Protease VII |
| Species: | E.coli |
| Source: | E. coli |
| Accession: | P09169 (21S-317F) |
| Gene ID: | 945185 |
| Molecular Weight: | Approximately 37.5 kDa |

PROPERTIES

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| AA Sequence | <p> STETLSFTPD NINADISLGT LSGKTKERVY LAEEGGRKVS QLDWKFNNAA IIKGA INWDL MPQISIGAAG WTTLGSRGGN MVDQDWMDS NPGTWTDES HPDTQLNYAN EFDLNIKWL LNEPNYRLGL MAGYQESRYS FTARGGSYIY SSEEGFRDDI GSFPNGERAI GYKQRFKMPY IGLTGSYRYE DFELGGTFKY SGWVESSDND EHYDPGKRIT YRSKVKDQNY YSVAVNAGYY VTPNAKVYVE GAWN RVTNKK GNTSLYDHNN NTSDYSKNGA GIENYNFITT AGLKYTF </p> |
| Biological Activity | The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet. |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized after extensive dialysis against solution in 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0. |
| Endotoxin Level | <1 EU/μg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | Protease 7/OmpT Protein is a versatile enzyme with the capability to cleave various substrates, including T7 RNA polymerase, ferric enterobactin receptor protein (FEP), antimicrobial peptide protamine, and other proteins. Notably, this protease demonstrates a distinct specificity for paired basic residues, reflecting its preference for particular amino acid |
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configurations. The ability of Protease 7/OmpT to target a range of proteins, coupled with its specific recognition of paired basic residues, underscores its significance in cellular processes and highlights its potential as a molecular tool in biotechnological applications.

Caution: Product has not been fully validated for medical applications. For research use only.

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