Enterokinase, light chain

1-800-632-7799
info@neb.com
www.neb.com

P8070S 040121013101

P8070S

RR

0.063 µg **2.0 µg/ml** **Lot: 0401210**

RECOMBINANT **Store at –20°C** **Exp: 10/13**

Description: Enterokinase is a specific protease that cleaves after lysine at its cleavage site, Asp-Asp-Asp-Asp-Lys. It will sometimes cleave at other basic residues, depending on the conformation of the protein substrate. Enterokinase will not cleave a site followed by proline.

Note: Now sold by weight

Source: This preparation is purified from *K. lactis* containing a clone of the light chain of the bovine enterokinase gene (1,2).

Supplied in: 20 mM Tris-HCl, 200 mM NaCl, 2 mM $CaCl_2$, 50% glycerol (pH 7.2 @ 4°C).

Molecular Weight: 26.3 kDa. Its apparent molecular weight on SDS-PAGE is 31 kDa.

Suggested Reaction Conditions: The amount of enzyme required to cleave a fusion protein in a 16 hour reaction at room temperature ranges from 0.0001% to 0.5% (w/w). Cleavage of an MPB-paramyosin-ΔSal fusion protein with an enterokinase site requires 0.0006%.

Unit Definition: 0.00016 µg of Enterokinase will cleave 25 µg of test substrate to 95% completion in 16 hours or less at 25°C.

Unit Assay Conditions: 20 mM Tris-HCl (pH 8.0 @ 25°C), 50 mM NaCl, 2 mM $CaCl_2$, 25 ug of an MBP fusion protein test substrate and enzyme. **Incubate at 23°C**

Removal: Enterokinase will bind specifically to trypsin inhibitor agarose (e.g., Sigma T-0637).

References:

1. Collins-Racie, L.A. et al. (1995) *Biotechnology* 13, 982-987.
2. Taron, C. and Colussi, P., unpublished observations.

CERTIFICATE OF ANALYSIS

Enterokinase, light chain

1-800-632-7799
info@neb.com
www.neb.com

P8070S 040121013101

P8070S

RR

0.063 µg **2.0 µg/ml** **Lot: 0401210**

RECOMBINANT **Store at –20°C** **Exp: 10/13**

Description: Enterokinase is a specific protease that cleaves after lysine at its cleavage site, Asp-Asp-Asp-Asp-Lys. It will sometimes cleave at other basic residues, depending on the conformation of the protein substrate. Enterokinase will not cleave a site followed by proline.

Note: Now sold by weight

Source: This preparation is purified from *K. lactis* containing a clone of the light chain of the bovine enterokinase gene (1,2).

Supplied in: 20 mM Tris-HCl, 200 mM NaCl, 2 mM $CaCl_2$, 50% glycerol (pH 7.2 @ 4°C).

Molecular Weight: 26.3 kDa. Its apparent molecular weight on SDS-PAGE is 31 kDa.

Suggested Reaction Conditions: The amount of enzyme required to cleave a fusion protein in a 16 hour reaction at room temperature ranges from 0.0001% to 0.5% (w/w). Cleavage of an MPB-paramyosin-ΔSal fusion protein with an enterokinase site requires 0.0006%.

Unit Definition: 0.00016 µg of Enterokinase will cleave 25 µg of test substrate to 95% completion in 16 hours or less at 25°C.

Unit Assay Conditions: 20 mM Tris-HCl (pH 8.0 @ 25°C), 50 mM NaCl, 2 mM $CaCl_2$, 25 ug of an MBP fusion protein test substrate and enzyme. **Incubate at 23°C**

Removal: Enterokinase will bind specifically to trypsin inhibitor agarose (e.g., Sigma T-0637).

References:

1. Collins-Racie, L.A. et al. (1995) *Biotechnology* 13, 982-987.
2. Taron, C. and Colussi, P., unpublished observations.

This product is sold under patent license from Wyeth Pharmaceuticals. **FOR RESEARCH ONLY**. Licenses FOR COMMERCIAL USE may be obtained directly from Wyeth Pharmaceuticals, 87 Cambridge Park Drive, Cambridge, MA 02140.

CERTIFICATE OF ANALYSIS