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Enterokinase, light chain (enteropeptidase)

#P8070S 0.063 µg .....$80 (USA)
#P8070L 0.32 µg ..... $320 (USA)

Description
Enterokinase is a specific protease that cleaves at Asp-Asp-Asp-Asp-Lys in trypsinogen to produce trypsin. It cleaves after lysine in its preferred cleavage site. It will sometimes cleave at other basic residues, depending on the conformation of the protein substrate. The molecular weight is 26.3 kDa. The apparent molecular weight on SDS-PAGE is 31 kDa.

Source
This preparation is purified from *E. coli* containing a clone of the light chain of the bovine enterokinase gene, fused to a carrier (1,2)

Suggested Reaction Conditions
The amount of enzyme required to cleave a fusion protein in a 16 hour reaction at room temperature ranges from 0.001% to 0.5% (w/w). Cleavage of the above MBP fusion protein under these conditions requires 0.03%.

Concentration
Selling concentration: 5.0 µg/ml

Storage Conditions
20 mM Tris-HCl (pH 7.2 @ 4°C), 200 mM NaCl, 2 mM $CaCl_2$ and 50% glycerol. Store at –20°C.

References:
1. LaVallie, E.R. et al. (1993) *J. Biol. Chem.* 268, 23311–23317.
2. LaVallie, E.R. and Racie, L., unpublished observations.

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