



Product Details

Enterokinase is expressed from Pichia Pastoris, it contained the light chain of the bovine enterokinase. Enterokinase is a specific protease that cleaves after lysine at its cleavage site Asp-Asp-Asp-Asp-Lys. Enterokinase will not work if the recognition site is followed by a proline. This protease with 10 × His-tag binds with Ni²⁺ affinity chromatography and was designed for removing from digestion system.

Application

Protein Purification
Fusion Protein Cleavage

Unit Definition

1 unit is defined as the amount of enzyme required to cleave 25 µg of a MBP-EK-paramyosin-ΔSal substrate to 95% completion in 16 hours at 25°C in a total reaction volume of 100 µl.

Purity

>90% as determined by SDS-PAGE.

Enzyme Activity

>8 U/µL

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Formulation

Supplied as 0.2 µm filtered solution in 20 mM Tris, 200 mM NaCl, pH7.2 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with blue ice, please inquire the shipping cost.

Storage

This product is stable after storage at:

- The product **MUST** be stored at -20°C or lower upon receipt;
- -20°C for 3 months under sterile conditions.

Bioactivity

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. The specific activity is >8U/ul (QC tested).

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