

Enterokinase Protein, Bovine, Recombinant (His)

General Information

Synonyms:	ENTK;Enteropeptidase;PRSS7
Species:	Bovine
Molecular Weight:	40 kDa (Reducing conditions)

QC Testing

Biological Activity:	100 IU/μg
Purity:	> 95% as determined by SDS-PAGE.
Formulation:	Lyophilized from a 0.2 μm filtered solution in 20mM Tris-HCl, pH 7.4, 200mM NaCl, 2mM CaCl ₂ .

Preparation and Storage

Reconstitution:

Reconstitute lyophilized EK powder in sterile deionized water at 1mg/ml, then dilute in EK Dilution/Storage Buffer according to your requirement.

Stability & Storage:

Lyophilized recombinant Bovine Enterokinase (His-tagged) (rbEK) remains stable up to one year at -20°C from date of receipt. Please avoid freeze-thaw cycles.

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

Enterokinase (EK) is a duodenal protease involved in digestion by activating trypsinogen into trypsin, which in turn activates other pancreatic enzymes. EK specifically cleaves after the sequence Asp-Asp-Asp-Asp-Lys (DDDDK↓) and is inactive if a proline follows the site.

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