
Product Data Sheet

Product Name: Enterokinase Human
 Cat. No.: GP26148
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Enteropeptidase, EC 3.4.21.9, Enterokinase, Serine protease 7, ENTK, TMPRSS15, MGC133046, Transmembrane Protease Serine 15.		
Amino Acid Sequence	MAIVGGSNAK EGAWPWVWGL YYGGRLLCGA SLVSSDWLVS AAHCVYGRNL EPSKWTAILG LHMKSNTLSP QTVPRLLIDEIVINPHYNRRR KDNDIAMMHL EFKVNYTDYI QPICLPEENQ VFPPGRNCSI AGWGTVVYQG TTANILQEAD VPLLSNERCQQMPEYNITE NMICAGYEEG GIDSCQGDSG GPLMCQENNR WFLAGVTSFG YKCALPNRPG VYARVSRFTE WIQSFLH		
Formulation	Enterokinase 1mg/ml is supplied in 20mM Tris-HCl, pH 8.0, and 10% glycerol.		

Introduction

Enteropeptidase or enterokinase is an enzyme involved in human digestion. It is produced by cells in the duodenum wall, and is secreted from duodenum's glands, the crypts of Lieberk^hn, whenever ingested food enters the duodenum from the stomach. Enteropeptidase has the critical job of turning trypsinogen (a zymogen) to trypsin, indirectly activating a number of pancreatic digestive enzymes. Enteropeptidase is a serine protease enzyme (EC 3.4.21.9). Enteropeptidase is a part of the Chymotrypsin-clan of serine proteases, and is structurally similar to these proteins.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Enterokinase Human produced in E. Coli cells is a single, non-glycosylated polypeptide

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Enterokinase human proenzyme is a single, non-glycosylated polypeptide chain containing 237 amino acids (785-1019aa) and having a molecular mass of 26.4kDa. Enterokinase is purified by proprietary chromatographic techniques

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