

Recombinant Human Transmembrane Protease, Serine 15

Cat. No. TMPRSS15-1279H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Enteropeptidase Human is a specific protease that cleaves after the sequence Asp-Asp-Aps-Aps-Lys. The light chain of enteropeptidase has full enzymatic activity. No other protease activity was detected. Human enteropeptidase binds specifically to STI-agarose. The affinity purified Human Enterokinase contains amino acids 785-1019.
Species	Human
Source	Human
Description	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(EC3.4.21.9). Enteropeptidase is a part of the Chymotrypsin-clan of serine proteases, and is structurally similar to these proteins.
Form	50mM Tris-HCl, pH 8.0, 0.5M NaCl, 1mM CaCl ₂ and 50% glycerol.
Purity	Greater than 98.0% as determined by SDS-PAGE.
Physical Appearance	Liquid solution.

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Storage One year when stored at ?C20°C, three weeks at room temperature.

GENE INFORMATION

Gene Name [TMPRSS15 transmembrane protease, serine 15 \[Homo sapiens \]](#)

Official Symbol [TMPRSS15](#)

Synonyms

TMPRSS15; transmembrane protease, serine 15; ENTK; PRSS7; MGC133046; enteropeptidase; enterokinase; serine protease 7; OTTHUMP00000083248; protease, serine, 7 (enterokinase); Enteropeptidase; Enterokinase; Serine protease 7; Transmembrane protease serine 15; EC 3.4.21.9; EC 3.4.21

Gene ID [5651](#)

mRNA Refseq [NM_002772](#)

Protein Refseq [NP_002763](#)

MIM [606635](#)

UniProt ID [P98073](#)

Chromosome Location 21q21; 21q21.1

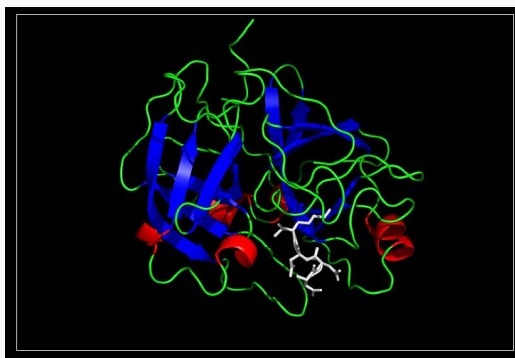
Function peptidase activity; scavenger receptor activity; serine-type endopeptidase activity

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**Crystalstructure of
Enteropeptidase with
an inhibitor**



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