

Recombinant Human TMPRSS15

Cat. No. TMPRSS15-28570TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Recombinant fragment, Enterokinase catalytic light chain.
Species	Human
Source	E.coli
Description	This gene encodes an enzyme that converts the pancreatic proenzyme trypsinogen to trypsin, which activates other proenzymes including chymotrypsinogen and procarboxypeptidases. The precursor protein is cleaved into two chains that form a heterodimer linked by a disulfide bond. This protein is a member of the trypsin family of peptidases. Mutations in this gene cause enterokinase deficiency, a malabsorption disorder characterized by diarrhea and failure to thrive.
Tissue specificity	Intestinal brush border.
Form	Liquid
Storage buffer	Preservative: None Constituents: 50% Glycerol, 0.5M Sodium chloride, 50mM Tris HCl, pH 8.0
Storage	Store at -20°C. Stable for 12 months at -20°C
Sequence Similarities	Belongs to the peptidase S1 family. Contains 2 CUB domains. Contains 2 LDL-receptor class A domains. Contains 1 MAM domain. Contains 1 peptidase S1 domain. Contains 1 SEA domain. Contains 1 SRCR domain.

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GENE INFORMATION

Gene Name	TMPRSS15 transmembrane protease, serine 15 [Homo sapiens]
Official Symbol	TMPRSS15
Synonyms	TMPRSS15; transmembrane protease, serine 15; protease, serine, 7 (enterokinase) , PRSS7; enteropeptidase; ENTK; MGC133046; proenterokinase;
Gene ID	5651
mRNA Refseq	NM_002772
Protein Refseq	NP_002763
MIM	606635
Uniprot ID	P98073
Chromosome Location	21q21
Function	peptidase activity; scavenger receptor activity; serine-type endopeptidase activity;

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