

Recombinant Human TMPRSS15 Protein, His-tagged

Cat. No. TMPRSS15-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TMPRSS15 Protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	41-1019 aa
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.
AASequence	HHHHHHHHGSGSGSLTIKESQRGAA LGQSHEARATFKITSGVTYNPNLQDKLSVDF KVLAFDLQQMIDEIFLSSNLKNEYKNSRVLQFENGSIIVVFDLFFAQWVSDENVKEELI QGLEANKSSQLVTFHIDLNSVDILDKLT TTTSHLATPGNVSIECLPGSSPCTDALTCIKA DLFCDGEVNCPDGSDEDNKMCA TVCDGRFLT TGSSGSFQATHYPKPSSETSVVCQW IIRVNQGLSIKLSFDDFNTYYTDILDIYEGVGSSKILRASIWETNP GTIRIFSNQVTATFLI ESDESDYVGFNATYTA FNSSSELNNYEKINCNFEDGFCFWVQDLNDDNEWERI QGST FSPFTGPNFDHTFGNASGFYISTPTGPGGRQERVGLLSLPLDPTLEPACLSFWYHM YGENVHKLSINISNDQNMEKTVFQKEGNYGDNWNYGQVTLNETVKFKVAFNAFKNK ILSDIALDDISLTYGICNGSLYPEPTLVPTPPPELPTDCGGPFELWEPNTTFSSTNFPN

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SYPNLAFCVWILNAQKGKNIQLHFQEFDLNINDVVEIRDGEEADSLLLAVYTGP GPV
 KDVFSTTNRM TVLLITNDV LARGGFKANFTTGYHLGIPEPCKADHFQCKNGECVPLV
 NLCDGHLHCE DGSDEADCVRFFNGTTNNGLVRFRIQSIWHTACAENWTTQISNDV
 CQLLGLGSGNSSKPIFPTDGGPFVKLNTAPDGHILTPSQQLQDSLIRLQCNHKSC
 GKKLAAQDITPKIVGGSNAKEGAWPWVVG LYYGGRLLCGASLVSSDWLVSAAHCV
 YGRNLEPSKWTAILGLHMKSNLTSPQTVPR LIDEIVINPHYNRRRKDN DIAMMHLEFK
 VNYTDYIQPICLPEENQVFPPGRNCSIA GWGTVVYQGT TANILQEADVPLLSNERCQ
 QQMPEYNITENMICAGYEEGGIDSCQGD SGGPLMCQENNRWFLAGVT SFGYKCAL
 PNRPGVYARVSRFTEW IQSFLH

Molecular Mass	110 kDa
Endotoxin	< 1 EU/μg of protein determined by LAL method
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4
Concentration	1 mg/mL by BCA

GENE INFORMATION

Gene Name	TMPRSS15 transmembrane serine protease 15 [Homo sapiens (human)]
Official Symbol	TMPRSS15
Synonyms	TMPRSS15; transmembrane serine protease 15; ENTK; PRSS7; enteropeptidase; enterokinase catalytic subunit; protease, serine, 7 (enterokinase); serine protease 7;

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transmembrane protease, serine 15; EC 3.4.21.9

Gene ID 5651

mRNA Refseq NM_002772

Protein Refseq NP_002763

MIM 606635

UniProt ID P98073

SDS-PAGE



Reducing 4%-20% SDS-PAGE (CBB stained) analysis profiles of purified
TMPRSS15. 1. TMPRSS15: 1 µg 2. BSA: 1 µg

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