

## Product datasheet for **TP723078**

### Enterokinase (TMPRSS15) (NM\_002772) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human transmembrane protease, serine 15 (TMPRSS15).
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	<p>LTIKESQRGA ALGQSHEARA TFKITSGVTY NPNLQDKLSV DFKVLAFDLQ QMIDEIFLSS  NLKNEYKNSR VLQFENGSI VVFDLFFAQW VSDQNVKEEL IQGLEANKSS QLVTFHIDLN SVDILDKLTT  TSHLATPGNV SIECLPGSSP CTDALTCIKA DLFCDEGEVNC PDGSEEDNKM CATVCDGRFL  LTGSSGSFQA THYPKPSETS VWCQWIIRVN QGLSIKLSFD DFNTYYTDIL DIYEGVGSSK ILRASIWETN  PGTIRIFSNQ VTATFLIESD ESDYVGFNAT YTAFNSSSELN NYEKINCNFE DGFCFWVQDL  NDDNEWERIQ GSTFSPFTGP NFDHTFGNAS GFYISTPTGP GGRQERVGLL SLPLDPTLEP  ACLSFWYHMY GENVHKLSIN ISNDQNMEKT VFQKEGNYGD NWNYGQVTLN ETVKFKVAFN  AFKNKILSDI ALDDISLTYG ICNGSLYPEP TLVPTPPPEL PTDCGGPFEL WEPNTTFSST NFPNSYPNLA  FCWILNAQK GKNIQLHFQE FDLENINDVW EIRDGEEADS LLLAVYTGPV PVKDFVSTTN  RMTVLLITND VLARGGFKAN FTTGYHLGIP EPCKADHFQC KNGECVPLVN LCDGHLHCD  GSDEADCVRV FNGTTNNGL VRFRIQSIWH TACAENWTTQ ISNDVCQLL LGSGNSSKPI  FSTDGGPFVK LNTAPDGHIL LTPSQQLQD SLIRLQCNHK SCGKKLAAQD ITPK</p> <p><b>LightChain:</b>IVGGSNAKEG AWPWVGLYY GGRLLCGASL VSSDWLVSA HCVYGRNLEP  SKWTAILGLH MKSNLTSPQT VPRLIDEIVI NPHYNRRRKD NDIAMMHLEF KVNYYTDYIQP  ICLPEENQVF PPGRNCSIAG WGTVVYQGTT ANILQEADVP LLSNERCQQQ MPEYNITENM  ICAGYEEGGI DSCQGDSSGP LMCQENNRWF LAGVTSFGYK CALPNRPGVY ARVSRFTEWI QSFLH</p>
Tag:	Tag Free
Predicted MW:	112.7
Concentration:	lot specific
Purity:	> 90% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Sequentially cleaves carboxyl side of D-D-D-D-K.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_002763</a>
<b>Locus ID:</b>	5651
<b>UniProt ID:</b>	<a href="#">P98073</a>
<b>RefSeq Size:</b>	3946
<b>Cytogenetics:</b>	21q21.1
<b>RefSeq ORF:</b>	3057
<b>Synonyms:</b>	ENTK; PRSS7
<b>Summary:</b>	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. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome, Transmembrane