TMPRSS15 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	TMPRSS15, Lysate
Full Product Name	Human TMPRSS15 Protein Lysate
Product Gene Name	TMPRSS15 lysate
Product Synonym Names	TMPRSS15; ENTK; PRSS7
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C This protein lysate can be reconsituted using SDS Sample Buffer. Once reconsituted, aliquot and store any remaining material at -20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	26.4kDa (237aa)
3D Structure	ModBase 3D Structure for P98073
Species	Human
Related Product Information for TMPRSS15 lysate	Human TMPRSS15 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells.
Other Notes	Small volumes of TMPRSS15 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TMPRSS15 purchase	MBS8428865 is a lysate targeting TMPRSS15. Also known as Human TMPRSS15 Protein Lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TMPRSS15. It may not necessarily be applicable to this product.

NCBI GI #	223942069
NCBI GeneID	5651
NCBI Accession #	NP_002763
UniProt Primary Accession #	P98073
UniProt Secondary Accession #	Q2NKL7
UniProt Related Accession #	P98073
GenBank Nucleotide #	NM_002772
NCBI Official Full Name	enteropeptidase
NCBI Official Synonym Full Names	transmembrane serine protease 15
NCBI Official Symbol	TMPRSS15
NCBI Official Synonym Symbols	ENTK; PRSS7
Protein Family	Enteropeptidase
NCBI Protein Information	enteropeptidase

NCBI Summary for TMPRSS15	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]
Research Articles on TMPRSS15	**1.** The Y174R variant showed improved specificities for substrates containing the sequences DDDDK (kcat/KM = 6.83 x 106 M-1 sec-1) and DDDDR (kcat/KM = 1.89 x 107 M-1 sec-1) relative to all other enteropeptidase variants reported to date.
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