Active Recombinant Human TMPRSS5 Protein, His-tagged

Cat. No. TMPRSS5-772H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TMPRSS5 (Accession # NP_110397) Tyr71-Leu457, fused with an N-terminal 9-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Tyr71-Leu457
Predicted N Terminal	His
Form	Supplied as a 0.2 μm filtered solution in MES and NaCl.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Boc-QAR-AMC.The specific activity is >300 pmol/min/μg, as measured under the described conditions.
Molecular Mass	Recombinant Human TMPRSS5, His-tagged has a calculated MW of 43 kDa. In SDS-PAGE migrates as 63 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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Reconstitution	Reconstitute at 10 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	TMPRSS5 transmembrane protease, serine 5 [Homo sapiens]
Official Symbol	TMPRSS5
Synonyms	TMPRSS5; transmembrane protease, serine 5; transmembrane protease serine 5; MGC141886; MGC148044; spinesin; SPINESIN;
Gene ID	80975
mRNA Refseq	NM_030770
Protein Refseq	NP_110397
MIM	606751
UniProt ID	Q9H3S3
Chromosome Location	11q

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