

Active Recombinant Human TMPRSS2 protein, His-tagged

Cat. No. TMPRSS2-4595H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TMPRSS2 protein(O15393)(106-492aa), fused to N-terminal His tag, was expressed in Yeast.
Species	Human
Source	Yeast
ProteinLength	106-492aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Bio-activity	Recombinant Human TMPRSS2 His tag protein enzyme activity is measured by its ability to cleave fluorogenic peptide substrate(Boc-Gln-Ala-Arg-AMC), The Km is 21.93μM. Measured by Camostat Mesylate inhibit ratio on TMPRSS2, which can cleave fluorogenic peptide substrate (Boc-Gln-Ala-Arg-AMC). The Camostat Mesylate inhibit EC50 is 0.03347-0.07945μM.
Molecular Mass	44.8 kDa
AA Sequence	WKFMGSKCSNSGIECDSSGTCINPSNWCDGVSHCPGGEDENRCVRLYGPNFILQV YSSQRKSWHPVCQDDWNENYGRAACRDMGYKNNFYSSQGIVDDSGSTSFMKLNT SAGNVDIYKKLYHSDACSSKAVVSLRCIACGVNLNSSRQSRIVGGESALPGAWPWQ VSLHVQNVHVCGGSIITPEWIVTAAHCVEKPLNNPWHWTAFAFILRQSFMFYGAGY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QVEKVISHPNYDSKTKNNDIALMKLQKPLTFNDLVKPVCLPNPGMMLQPEQLCWISG
WGATEEKGKTSEVLNAAKVLLIETQRCNSRYVYDNLITPAMICAGFLQGNVDSQCQGD
SGGPLVTSKNNIWWLIGDTSWGSGCAKAYRPGVYGNVMVFTDWIYRQMRADG

Purity Greater than 85% as determined by SDS-PAGE.

Storage Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Reconstitution Reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

GENE INFORMATION

Gene Name [TMPRSS2 transmembrane protease, serine 2 \[Homo sapiens \]](#)

Official Symbol [TMPRSS2](#)

Synonyms TMPRSS2; transmembrane protease, serine 2; transmembrane protease serine 2; PRSS10; epitheliasin; serine protease 10; PP9284; FLJ41954;

Gene ID [7113](#)

mRNA Refseq [NM_001135099](#)

Protein Refseq [NP_001128571](#)

MIM [602060](#)

UniProt ID [O15393](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA