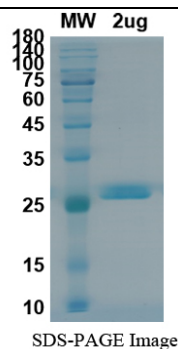
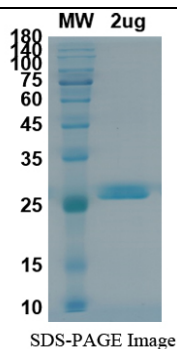


Product Details

Summary

English name	Recombinant Human TMPRSS2 protein
Purity	>90% as determined by SDS-PAGE
Endotoxin level	Please contact with the lab for this information.
Construction	A DNA sequence encoding the human TMPRSS2 (Ser284-Gly492) was fused with His tag
Accession #	O15393
Host	E.coli
Species	Homo sapiens (Human)
Predicted Molecular Mass	23.94 kDa
Formulation	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.
Reconstitution	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.

SDS-PAGE image



Background

Background	Plasma membrane-anchored serine protease that participates in proteolytic cascades of relevance for the normal physiologic function of the prostate.
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Recombinant Human TMPRSS2 protein

Androgen-induced TMPRSS2 activates several substrates that include pro-hepatocyte growth factor/HGF, the protease activated receptor-2/F2RL1 or matriptase/ST14 leading to extracellular matrix disruption and metastasis of prostate cancer cells. In addition, activates trigeminal neurons and contribute to both spontaneous pain and mechanical allodynia.

Alternative Names

Transmembrane protease serine 2, Serine protease 10.

