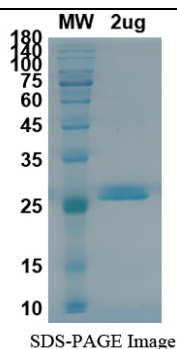


## Product Details

### Summary

Product name	Recombinant Human TMPRSS2 protein
Catalog#	ATAP00900
description	Recombinant Human TMPRSS2 is produced by E.coli expression system and the target gene encoding Ser284-Gly492 is expressed with His Tag
Expression system	E.coli
Species	Homo sapiens (Human)
Accession #	O15393
Alternative names	Transmembrane protease serine 2, Serine protease 10.
Predicted Molecular Mass	25.65 kDa
Purity	>90% as determined by SDS-PAGE
Endotoxin level	Please contact with the lab for this information
Formulation	Supplied as solution form in PBS, pH7.5 or lyophilized from PBS, pH7.5
Shipping	In general, proteins are shipped out with 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	Please refer to the instruction in the hard copy of COA.
Application	Immunogen

### SDS-PAGE image



### Background

## Recombinant Human TMPRSS2 protein

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

### Note

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