Recombinant Human TMPRSS2 Protein (Ser284-Gly492), His tagged

Cat. No. TMPRSS2-6469H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TMPRSS2 (Ser284-Gly492) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser284-Gly492
Description	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.
Form	Lyophilized powder/frozen liquid
Molecular Mass	23.94 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

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

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