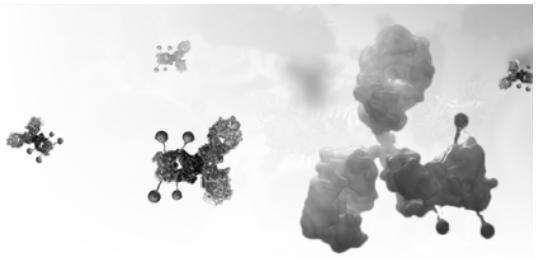

Recombinant Human TMPRSS2 (a.a.256-492) [His, SUMO] (DAGC337)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Human Transmembrane protease serine 2(TMPRSS2), partial, N-terminal 6xHis-SUMO-tagged.
Species	Human
Purity	Greater than 85% as determined by SDS-PAGE.
Conjugate	His, SUMO
Applications	ELISA
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please 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. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Format	Liquid or Lyophilized powder
Size	20 µg, 100 µg, 1 mg
Buffer	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.
Preservative	None
Storage	Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

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BACKGROUND

Introduction	Transmembrane protease, serine 2 is an enzyme that in humans is encoded by the TMPRSS2 gene. This gene encodes a protein that belongs to the serine protease family. The encoded protein contains a type II transmembrane domain, a receptor class A domain, a scavenger receptor cysteine-rich domain and a protease domain. Serine proteases are known to be involved in many physiological and pathological processes. This gene was demonstrated to be up-regulated by androgenic hormones in prostate cancer cells and down-regulated in androgen-independent prostate cancer tissue. The protease domain of this protein is thought to be cleaved and secreted into cell media after autocleavage.
Keywords	TMPRSS2; transmembrane protease, serine 2; transmembrane protease serine 2; PRSS10; epitheliasin; serine protease 10; PP9284; FLJ41954

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