

## TMPRSS11E Protein, Human (HEK293, His)

Cat. No.:	HY-P701044
Synonyms:	Serine protease DESC1; TMPRSS11E; DESC1; TMPRSS11E2
Species:	Human
Source:	HEK293
Accession:	Q9UL52 (H41-I423)
Gene ID:	28983
Molecular Weight:	30-35 kDa

### PROPERTIES

Biological Activity	Immobilized Human TMPRSS11E, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-TMPRSS11E Antibody, hFc Tag with the EC <sub>50</sub> of 9.8ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	TMPRSS11E, a serine protease, exhibits dual enzymatic activities, possessing both gelatinolytic and caseinolytic functions. Notably, it displays a preference for Arginine in the P1 position, highlighting its substrate specificity. Furthermore, the proteolytic activity of TMPRSS11E is subject to inhibition by SERPINA5, emphasizing the regulatory mechanisms involved in controlling its enzymatic functions.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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