



Recombinant Human Thymus-specific serine protease (PRSS16)

Product Code	CSB-MP882073HU
Abbreviation	PRSS16
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9NQE7
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SLLRRL GEHIQQFQES SAQGLGLSLG PGAAALPKVG WLEQLLDPFN VSDRRSFLQR YWVNDQHWVG QDGPFLHLG GEGSLGPGSV MRGHPAALAP AWGALVISLE HRFYGLSIPA GGLEMAQLRF LSSRLALADV VSARLALSRL FNISSSSPWI CFGGSYAGSL AAWARLKFPH LIFASVASSA PVRAVLDFSE YNDVVSRLM STAIGGSLEC RAAVSVAF AE VERRLRSGGA AQAALRTELS ACGPLGRAEN QAELLGALQA LVGGVVQYDG QTGAPLSVRQ LCGLLLGGGG NRSHSTPYCG LRAVQIVLH SLGQKCLSFS RAETVAQLRS TEPQLSGVD RQWLYQTCTE FGFYVTCENP RCPFSQLPAL PSQLDLCEQV FGLSALSVAQ AVAQTNSYYG GQTPGANKVL FVNGDTPWH VLSVTQALGS SESTLLIRTG SHCLDMAPER PSDSPSLRLG RQNIQQQLQT WLKLAKESQI KGEV
Source	Mammalian cell
Target Names	PRSS16
Protein Names	Recommended name: Thymus-specific serine protease EC= 3.4.-.- Alternative name(s): Serine protease 16
Expression Region	25-514
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a serine protease expressed exclusively in the thymus. It is thought to play a role in the alternative antigen presenting pathway used by cortical thymic epithelial cells during the positive selection of T cells. The gene is found in the large histone gene cluster on chromosome 6, near the major histocompatibility complex (MHC) class I region. A second transcript variant has been described, but its full length nature has not been determined.

**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.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.