

Recombinant Human PRSS16 Protein, His-tagged

Cat. No. PRSS16-394H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRSS16 Protein (Leu291-Val514) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu291-Val514
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.9 kDa Accurate Molecular Mass: 27 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PRSS16 serine protease 16 [Homo sapiens (human)]
Official Symbol	PRSS16
Synonyms	PRSS16; serine protease 16; TSSP; thymus-specific serine protease; protease, serine 16; protease, serine, 16 (thymus); thymus specific serine peptidase
Gene ID	10279
mRNA Refseq	NM_005865
Protein Refseq	NP_005856
MIM	607169
UniProt ID	Q9NQE7

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