

Recombinant Human PRSS16 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRSS16-4948H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRSS16 MS Standard C13 and N15-labeled recombinant protein (NP_005856) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	54.9 kDa
AA Sequence	MAVWLAQWLGPILLVSLWGLLAPASLLRRLGEHIQQFQESSAQGLGLSLGPGAAAL PKVGWLEQLLDPFNVSDRRSFLQRYWVNDQHWVGQDGPFIHLHGGEGSLGPGSV MRGHPAALAPAWGALVISLEHRFYGLSIPAGGLEMAQLRFLSSRLALADVVSARLAL SRLFNISSSSPWICFGGSYAGSLAAWARLKFPHLIFASVASSAPVRAVLDFSEYNDV VSRSLMSTAIGGSLECRAAVSVAFAEVERRLRSGGAAQAALRTELSACGPLGRAEN QAELLGALQALVGGVVQYDGGQTGAPLSVRQLCGLLGGGGNRSHSTPYCGLRRAV QIVLHSLGQKCLSFSRAETVAQLRSTEPQLSGVGDRQWLYQTCTEFGFYVTCENPR

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CPFSQLPALPSQLDLCEQVFGLSALSVAQAVAQTNSYYGGQTPGANKVLFVNGDTD
PWHVLSVTQALGSSESTLLIRTGSHCLDMAPERPSDPSLRLGRQNIFQQLQTLWLKL
AKESQIKGEVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PRSS16 serine protease 16 [Homo sapiens (human)]

Official Symbol PRSS16

Synonyms PRSS16; protease, serine, 16 (thymus); thymus-specific serine protease; TSSP; serine protease 16; thymus specific serine peptidase; FLJ36271; FLJ40714; FLJ44172;

Gene ID 10279

mRNA Refseq NM_005865

Protein Refseq NP_005856

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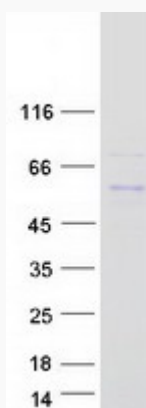
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MIM 607169

UniProt ID Q9NQE7

SDS-PAGE



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