

Recombinant Human PRSS21 Protein, His-tagged

Cat. No. PRSS21-2630H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRSS21 Protein (Arg41-Val314) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg41-Val314
Description	This gene encodes a cell-surface anchored serine protease, which is a member of the trypsin family of serine proteases. The encoded protein is predicted to be active on peptide linkages involving the carboxyl group of lysine or arginine. The encoded protein localizes to the cytoplasm and the plasma membrane of premeiotic testicular germ cells and may be involved in progression of testicular tumors of germ cell origin. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.5 kDa Accurate Molecular Mass: 32 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PRSS21 protease, serine, 21 (testisin) [Homo sapiens (human)]
Official Symbol	PRSS21
Synonyms	PRSS21; protease, serine, 21 (testisin); testisin; ESP 1; TEST1; TESTISIN; serine protease 21; eosinophil serine protease 1; serine protease from eosinophils; ESP1; ESP-1;
Gene ID	10942
mRNA Refseq	NM_006799
Protein Refseq	NP_006790
MIM	608159

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UniProt ID

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