

Recombinant Human RNASEL Protein, His-tagged

Cat. No. RNASEL-2657H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RNASEL Protein (Glu590-Pro725) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu590-Pro725
Description	This gene encodes a component of the interferon-regulated 2-5A system that functions in the antiviral and antiproliferative roles of interferons. The protein is involved in innate immunity and is active against multiple RNA viruses, including the influenza and SARS-CoV-2 viruses. Mutations in this gene have been associated with predisposition to prostate cancer and this gene is a candidate for the hereditary prostate cancer 1 (HPC1) allele.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.8 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 97%
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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	RNASEL ribonuclease L (2,5-oligoadenylate synthetase-dependent) [Homo sapiens (human)]
Official Symbol	RNASEL
Synonyms	RNASEL; ribonuclease L (2,5-oligoadenylate synthetase-dependent); PRCA1, prostate cancer 1, RNS4; 2-5A-dependent ribonuclease; RNase L; ribonuclease 4; 2-5A-dependent RNase; interferon-induced 2-5A-dependent RNase; 2,5-oligoadenylate synthetase-dependent; RNS4; PRCA1; MGC104972; MGC133329; DKFZp781D08126;
Gene ID	6041
mRNA Refseq	NM_021133
Protein Refseq	NP_066956

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MIM	180435
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UniProt ID	Q05823
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