

Recombinant Human RNASEL protein, MYC/DDK-tagged

Cat. No. RNASEL-39H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RNASEL(His19-Glu563) fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	19-563 a.a.
Description	This gene encodes a component of the interferon-regulated 2-5A system that functions in the antiviral and antiproliferative roles of interferons. 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	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	83.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	RNASEL ribonuclease L (2,5-oligoadenylate synthetase-dependent) [Homo
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	sapiens]
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
MIM	180435
UniProt ID	Q05823
Chromosome Location	1q25
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Immune System, organism-specific biosystem; Influenza A, organism-specific biosystem;
Function	ATP binding; RNA binding; endoribonuclease activity; endoribonuclease activity, producing 5-phosphomonoesters; hydrolase activity; metal ion binding; nucleotide

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binding; protein kinase activity; transferase activity, transferring phosphorus-containing groups;

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