

Active Recombinant Human RNASEH1 protein, His-tagged

Cat. No. RNASEH1-1192H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RNASEH1 fused with His tag was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	RNHA is an endonuclease which specifically degrades the RNA of RNA-DNA hybrids. Localized to the nucleus, the RNHA protein mediates the removal of Okazaki fragment RNA primers which are present on the lagging strand during DNA replication. RNHA catalyzes the endonucleolytic cleavage of RNA to a 5'-phosphomonoester and is capable of binding magnesium or manganese as cofactors.
Form	0.1M NaPO ₄ , 0.05M NaCl, 0.05% Sar, Ph8
Bio-activity	DNA-RNA hybrid cleavage: RNA 5'gacaccugauucugauuc; DNA 5'gaatcaggtgtc.Buffer: 50mM Tris-pH7.9, 50mMNaCl,5mM MgCl ₂ , 1mM DTT, 20ug/ml BSA, 4%glycerol. Analysis by 12% TBE gel. Assays Pending.
Molecular Mass	approx.33kD
Purity	>95%
Applications	RNase H1 assays; Elisa/Western Blot; DNA/RNA hybrid Assay
Stability	At least 12 months at -75 centigrade

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Storage Store at -75 centigrade

Concentration 0.1mg/ml

GENE INFORMATION

Gene Name [RNASEH1 ribonuclease H1 \[Homo sapiens \]](#)

Official Symbol [RNASEH1](#)

Synonyms RNASEH1; ribonuclease H1; RNase H1; ribonuclease H type II; RNH1; H1RNA;

Gene ID [246243](#)

mRNA Refseq [NM_002936](#)

Protein Refseq [NP_002927](#)

MIM [604123](#)

UniProt ID [O60930](#)

Chromosome Location 2p25

Pathway DNA replication, organism-specific biosystem; DNA replication, conserved biosystem;

Function RNA binding; endonuclease activity; hydrolase activity; magnesium ion binding; nucleic acid binding; protein homodimerization activity; ribonuclease H activity; ribonuclease activity;

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