

Recombinant Human RNASEH1 Protein, His&GST-tagged

Cat. No. RNASEH1-2021H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RNASEH1 Protein (Met1-Asp286) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Asp286
Description	<p>This gene encodes an endonuclease that specifically degrades the RNA of RNA-DNA hybrids and plays a key role in DNA replication and repair. Alternate in-frame start codon initiation results in the production of alternate isoforms that are directed to the mitochondria or to the nucleus. The production of the mitochondrial isoform is modulated by an upstream open reading frame (uORF). Mutations in this gene have been found in individuals with progressive external ophthalmoplegia with mitochondrial DNA deletions, autosomal recessive 2. Alternative splicing results in additional coding and non-coding transcript variants. Pseudogenes of this gene have been defined on chromosomes 2 and 17.</p>
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 62.1 kDa Accurate Molecular Mass: 62 kDa
Purity	> 97%

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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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH ₂ O to a concentration of 0.1-0.2 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	RNASEH1 ribonuclease H1 [Homo sapiens (human)]
Official Symbol	RNASEH1
Synonyms	RNASEH1; ribonuclease H1; RNH1; H1RNA; PEOB2; ribonuclease H1; ribonuclease H type II; EC 3.1.26.4
Gene ID	246243
mRNA Refseq	NM_002936
Protein Refseq	NP_002927
MIM	604123

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UniProt ID

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