

Product datasheet for **TP300595**

RNase H1 (RNASEH1) (NM_002936) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human ribonuclease H1 (RNASEH1), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC200595 protein sequence
Red=Cloning site **Green**=Tags(s)

MSWLLFLAHRVALAALPCRRGRSGFGMFYAVRRGRKTVFVLTWNECRAQVDRFPAARFKKFATEDEAWA
F
VRKSASPEVSEGHENQHGQSEAKASKRLREPLDGDGHESAEPYAKHMKPSVEPAPPVSRDTFSYMGDFV
VYTDGCCSSNGRRRPRAGIGVYWGPGLNVLGIRLPGRQTNQRAEIHAACKAIEQAKTQNKLVLYTD
SMFTINGITNWWQGWKKNWKTSGKEVINKEDFVALERLTQGMIDIQWMHVPGHSGFIGNEADRLAR
EG
AKQSED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 31.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_002927](#)



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Locus ID: 246243

UniProt ID: [O60930](#)

RefSeq Size: 1865

Cytogenetics: 2p25.3

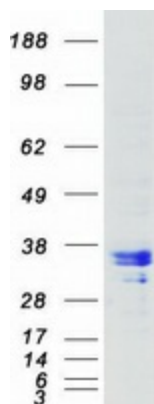
RefSeq ORF: 858

Synonyms: H1RNA; PEOB2; RNH1

Summary: 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. [provided by RefSeq, Jul 2017]

Protein Pathways: DNA replication

Product images:



Coomassie blue staining of purified RNASEH1 protein (Cat# TP300595). The protein was produced from HEK293T cells transfected with RNASEH1 cDNA clone (Cat# [RC200595]) using MegaTran 2.0 (Cat# [TT210002]).