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Product datasheet for TP503888

Rnaseh1 (NM_011275) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ribonuclease H1 (Rnaseh1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203888 protein sequence Red=Cloning site Green=Tags(s) MRWLLPLSRTVTLAVVRLRRGICGLGMFYAVRRGRRTGVFLSWSECKAQVDRFPAARFKKFATEDEAWAF VRSSSSPDGSKGQESAHEQKSQVKTSKRPREPLGEGEELPEPGPKHTRQDTEPAAVVSKDTFSYMGESVI VYTDGCCSSNGRKRARAGIGVYWGPGHPLNVGIRLPGRQTNQRAEIHAACKAIMQAKAQNISKLVLYTDS MFTINGITNWVQGWKKNGWRTSTGKDVINKEDFMELDELTQGMDIQWMHIPGHSGFVGNEEADRLAREGA KQSED TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	31.8 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
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 after receiving vials.
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_035405
Locus ID:	19819
UniProt ID:	E9QLN8

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RefSeq Size:	1472
Cytogenetics:	12 A2
RefSeq ORF:	858
Summary:	This gene encodes an endonuclease that specifically degrades the RNA of RNA-DNA hybrids and is necessary for DNA replication and repair. This enzyme is present in both mitochondria and nuclei, which are resulted from translation of a single mRNA with two in-frame initiation start codons. The use of the first start codon produces the mitochondrial isoform and the use of the second start codon produces the nuclear isoform. The production of the mitochondrial isoform is modulated by an upstream open reading frame (uORF) which encodes 7aa in mouse. An alternately spliced transcript variant has been found which is a candidate for nonsense-mediated mRNA decay (NMD). [provided by RefSeq, Nov 2013]