

Recombinant Human PPP1R8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPP1R8-1897H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPP1R8 MS Standard C13 and N15-labeled recombinant protein (NP_612568) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene, through alternative splicing, encodes three different isoforms. Two of the protein isoforms encoded by this gene are specific inhibitors of type 1 serine/threonine protein phosphatases and can bind but not cleave RNA. The third protein isoform lacks the phosphatase inhibitory function but is a single-strand endoribonuclease comparable to RNase E of E. coli. This isoform requires magnesium for its function and cleaves specific sites in A+U-rich regions of RNA.
Molecular Mass	38.5 kDa
AA Sequence	MAAAANS GSSLPLFDCPTWAGKPPPGLHLDVVKGDKLIKLIIDEKKYYLFGRNPDL CDFTIDHQSCSRVHAALVYHKHLKRVFLIDLNSTHGTFLGHIRLEPHKPKQIPIDSTVS FGASTRAYTLREKPQTLPSAVKGDEKMGGEDDELKGLLGLPEEETELDNLTEFITAH NKRISTLTIEEGNLDIQRPKRKRNKSRVTFSEDEIINPEDVDPSVGRFRNMVQTAVV PVKKKRVEGPGSLGLEESGSRMQNFAFSGGLYGGLPPTHSEAGSQPHGIHGTAI GGLPMPYPNLAPDVLTPVVPSAVNMNPAPNPAVYNPEAVNEPKKKKYAKEAWPG KKPTPSLLITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PPP1R8 protein phosphatase 1 regulatory subunit 8 [Homo sapiens (human)]
Official Symbol	PPP1R8
Synonyms	PPP1R8; protein phosphatase 1, regulatory subunit 8; protein phosphatase 1, regulatory (inhibitor) subunit 8; nuclear inhibitor of protein phosphatase 1; activator of RNA decay; ard 1; ARD1; NIPP 1; NIPP1; nuclear subunit of PP 1; PRO2047; protein phosphatase 1 regulatory subunit 8; RNase E; nuclear subunit of PP-1; nuclear inhibitor of protein phosphatase-1; ARD-1; NIPP-1;
Gene ID	5511
mRNA Refseq	NM_138558
Protein Refseq	NP_612568
MIM	602636

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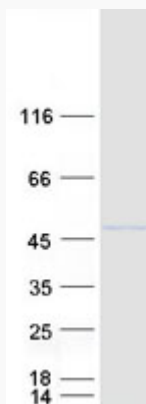
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UniProt ID

Q12972

SDS-PAGE

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