

Recombinant Human HNRNPA1 293 Cell Lysate

Cat. No. HNRNPA1-5453HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for heterogeneous nuclear ribonucleoprotein A1 (HNRNPA1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	HNRNPA1 heterogeneous nuclear ribonucleoprotein A1 [Homo sapiens]
Official Symbol	HNRNPA1
Synonyms	HNRNPA1; heterogeneous nuclear ribonucleoprotein A1; HNRPA1; hnRNP A1; hnRNPA1; hnRNP A1-like 3; hnRNP core protein A1; helix-destabilizing protein; hnRNP core protein A1-like 3; single-strand RNA-binding protein; single-strand DNA-binding protein UP1; nuclear ribonucleoprotein particle A1 protein; heterogeneous nuclear ribonucleoprotein B2 protein; heterogeneous nuclear ribonucleoprotein A1B protein; heterogeneous nuclear ribonucleoprotein core protein A1; Putative heterogeneous nuclear ribonucleoprotein A1-like 3; HNRPA1L3; hnRNP-A1; MGC102835;
Gene ID	3178
mRNA Refseq	NM_031157
Protein Refseq	NP_112420
MIM	164017
UniProt ID	P09651
Chromosome Location	12q13.1
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem; Gene

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Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; mRNA Splicing, organism-specific biosystem; mRNA Splicing - Major Pathway, organism-specific biosystem;

Function

RNA binding; nucleotide binding; single-stranded DNA binding; single-stranded RNA binding;

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