

Recombinant Human HNRNPD 293 Cell Lysate

Cat. No. HNRNPD-5448HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa) (HNRNPD), transcript variant 3 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

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the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	HNRNPD heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa) [Homo sapiens]
Official Symbol	HNRNPD
Synonyms	HNRNPD; heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa); AUF1, heterogeneous nuclear ribonucleoprotein D (AU rich element RNA binding protein 1, 37kD) , HNRPD; heterogeneous nuclear ribonucleoprotein D0; hnRNP D0; ARE-binding protein AUF1, type A; P37; AUF1; AUF1A; HNRPD; hnRNPD0;
Gene ID	3184
mRNA Refseq	NM_001003810
Protein Refseq	NP_001003810
MIM	601324
UniProt ID	Q14103
Chromosome Location	4q21
Pathway	Destabilization of mRNA by AUF1 (hnRNP D0), organism-specific biosystem; Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing

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Pre-mRNA, organism-specific biosystem; Regulation of mRNA Stability by Proteins that Bind AU-rich Elements, organism-specific biosystem; mRNA Splicing, organism-specific biosystem; mRNA Splicing - Major Pathway, organism-specific biosystem; mRNA processing, organism-specific biosystem;

Function

DNA binding; RNA binding; RNA binding; nucleotide binding; protein binding; telomeric DNA binding;

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