Recombinant Human HNRNPD 293 Cell Lysate

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

SPECIFICATION

Product Overview	
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.

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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 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 AUFI, 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

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	Expression, organism-specific biosystem; Processing of Capped Intron-Containing 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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