

Recombinant Human PTBP1 293 Cell Lysate

Cat. No. PTBP1-2730HCL **Lot. No.** (See product label)

SPECIFICATION

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for polypyrimidine tract binding protein 1 (PTBP1), transcript variant 1 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

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| Gene Name | PTBP1 polypyrimidine tract binding protein 1 [Homo sapiens] |
| Official Symbol | PTBP1 |
| Synonyms | PTBP1; polypyrimidine tract binding protein 1; polypyrimidine tract binding protein (heterogeneous nuclear ribonucleoprotein I) , PTB; polypyrimidine tract-binding protein 1; heterogeneous nuclear ribonucleoprotein I; HNRNP I; HNRPI; pPTB; PTB 1; PTB2; PTB3; PTB4; hnRNP I; RNA-binding protein; 57 kDa RNA-binding protein PPTB-1; heterogeneous nuclear ribonucleoprotein polypeptide I; polypyrimidine tract binding protein (heterogeneous nuclear ribonucleoprotein I); PTB; PTB-1; PTB-T; HNRNPI; HNRNP-I; MGC8461; MGC10830; |
| Gene ID | 5725 |
| mRNA Refseq | NM_002819 |
| Protein Refseq | NP_002810 |
| MIM | 600693 |
| UniProt ID | P26599 |
| Chromosome Location | 19p13.3 |
| Pathway | Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; mRNA Splicing, organism- |

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specific biosystem; mRNA Splicing - Major Pathway, organism-specific biosystem;
mRNA processing, organism-specific biosystem;

Function

RNA binding; RNA binding; nucleotide binding; poly-pyrimidine tract binding; pre-
mRNA binding; protein binding;

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