

Human PTBP1 Knockdown Cell Lysate

Cat. No. PTBP1-408HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated PTBP1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	<p>This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA-binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has four repeats of quasi-RNA recognition motif (RRM) domains that bind RNAs. This protein binds to the intronic polypyrimidine tracts that requires pre-mRNA splicing and acts via the protein degradation ubiquitin-proteasome pathway. It may also promote the binding of U2 snRNP to pre-mRNAs. This protein is localized in the nucleoplasm and it is also detected in the perinucleolar structure. Alternatively spliced transcript variants encoding different isoforms have been described.</p>
Form	Cell-Tissue Lysis buffer
Molecular Mass	60 kDa

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Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg PTBP1 KD HeLa cell lysate
Protein Families	Druggable Genome
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	PTBP1 polypyrimidine tract binding protein 1 [Homo sapiens (human)]
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;

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Gene ID	5725
mRNA Refseq	NM_002819
Protein Refseq	NP_002810
MIM	600693
UniProt ID	P26599

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