



Recombinant Human Polypyrimidine tract-binding protein 1 (PTBP1)

Product Code	CSB-MP018948HU
Relevance	Plays a role in pre-mRNA splicing and in the regulation of alternative splicing events. Activates exon skipping of its own pre-mRNA during muscle cell differentiation. Binds to the polypyrimidine tract of introns. May promote RNA looping when bound to two separate polypyrimidine tracts in the same pre-mRNA. May promote the binding of U2 snRNP to pre-mRNA. Cooperates with RAVER1 to modulate switching between mutually exclusive exons during maturation of the TPM1 pre-mRNA. Represses the splicing of MAPT/Tau exon 10.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P26599
Storage Buffer	Tris-based buffer?50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MDGIVPDIAVGTKRGSDSELFSTCVTNGPFIMSSNSASAANGNDSKKFKGDSRS AGVPSRVIHIRKLPIDVTEGEVISLGLPFGKVTNLLMLKGKNQAFIEMNTEEAAN TMVNYYSVTPVLRGQPIYIQFSNHKELKTDSSPNQARAQAALQAVNSVQSGN LALAASAAVDAGMAMAGQSPVLRIVENLFYPVTLDLVHQIFSKFGTVLKIITFT KNNQFQALLQYADPVSAQHAKLSLDGQNIYNACCTLRIDFSKLTSLNVKYNNND KSRDYTRPDLP SGDSQPSLDQ TMAAAF GAPGIISASPYAGAGFPPTFAIPQAA GLSVPNVHGALAPLAIPSA AAAAAAAGRIAIPGLAGAGNSVLLVSNLNP ERVTP QSLFILFGVYGDVQRVKILFNKKENALVQMADGNQAQLAMSHLNGHKLHGKPI RITLSKHQNVQLPREGQEDQGLTKDYGNSPLHRFKKPGSKNFQNIFFPSATLH LSNIPPSVSEEDLKVLFSSNGGVVKGKFFQKDRKMALIQMGSVEEAVQALIDL HNHDLGENHHLRVSFSKSTI
Lead Time	3-7 business days
Research Area	Epigenetics and Nuclear Signaling
Source	Mammalian cell
Gene Names	PTBP1
Protein Names	PTB;57KDA RNA-binding protein PPTB-1;Heterogeneous nuclear ribonucleoprotein I;hnRNP I
Expression Region	1-557aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

Tag Info

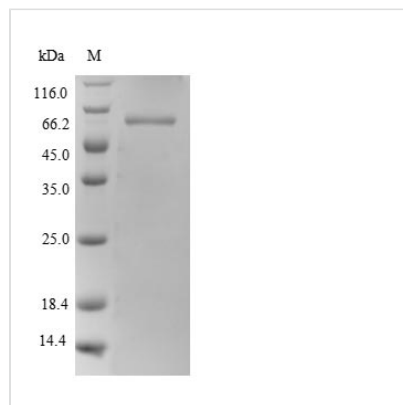
N-terminal 10xHis-tagged

Mol. Weight

63.1 kDa

Protein Description

Full Length of Isoform 3

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

To express the recombinant Human PTBP1 protein in mammalian cells, a DNA fragment encoding the Human PTBP1 protein (1-557aa) is inserted into a plasmid vector and transferred to the mammalian cells. Cells containing the plasmid are screened, cultured, and induced to express the PTBP1 protein. The protein carries a N-terminal 10xHis tag. Lysing the cells allows for the collection of the recombinant Human PTBP1 protein, which is purified through affinity purification and then identified through SDS-PAGE and subsequent staining of the gel with Coomassie Brilliant Blue. The purity of the recombinant Human PTBP1 protein obtained is greater than 85%.