



# Recombinant Human Polyadenylate-binding protein 2 (PABPN1)

<b>Product Code</b>	CSB-YP768207HU
<b>Abbreviation</b>	PABPN1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q86U42
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p> AAAAAAAAA AGAAGGRGSG PGRRRHLVPG AGGEAGEGAP  GGAGDYGNGL ESEELEPEEL LLEPEPEPEP EEEPPRPRAP PGAPGPGPGS  GAPGSQEEEE EPGLVEGDPG DGAIEDPELE AIKARVREME EEA EK LKELQ  NEVEKQMNMS PPPGNAGPVI MSIEEKMEAD ARSIYVGNVD YGATAEELEA  HFHGCGSVNR VTILCDKFSG HPKG FAYIEF SDKESVRTSL ALDESLFRGR  QIKVIPKRTN RPGISTTDRG FPRARYRART TNYNSSRSRF YSGFNSRPRG  RVYRGRARAT SWYSPY </p>
<b>Source</b>	Yeast
<b>Target Names</b>	PABPN1
<b>Protein Names</b>	Recommended name: Polyadenylate-binding protein 2 Short name= PABP-2 Short name= Poly(A)-binding protein 2 Alternative name(s): Nuclear poly(A)-binding protein 1 Poly(A)-binding protein II Short name= PABII Polyadenyla
<b>Expression Region</b>	2-306
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes an abundant nuclear protein that binds with high affinity to nascent poly(A) tails. The protein is required for progressive and efficient polymerization of poly(A) tails on the 3 ends of eukaryotic genes and controls the size of the poly(A) tail to about 250 nt. At steady-state, this protein is localized in the nucleus whereas a different poly(A) binding protein is localized in the cytoplasm. An expansion of the trinucleotide (GCG) repeat from normal 6 to 8-13 at the 5 end of the coding region of this gene leads to autosomal dominant oculopharyngeal muscular dystrophy (OPMD) disease. Multiple splice variants have been described but their full-length nature is not known. One splice variant includes introns 1 and 6 but no protein is formed.



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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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