



Recombinant Human Polyadenylate-binding protein 2 (PABPN1)

Product Code	CSB-EP768207HU
Abbreviation	PABPN1
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.	Q86U42
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p> AAAAAAAAA AGAAGGRGSG PGRRRHLVPG AGGEAGEGAP GGAGDYGNGL ESEELEPEEL LLEPEPEPEP EEEPPRPRAP PGAPGPGPGS GAPGSQEEEE EPGLVEGDPG DGAIEDPELE AIKARVREME EEAELKELQ NEVEKQMNMS PPPGNAGPVI MSIEEKMEAD ARSIYVGNVD YGATAEELEA HFHGCGSVNR VTILCDKFSG HPKGFIYIEF SDKESVRTSL ALDESLFRGR QIKVIPKRTN RPGISTTDRG FPRARYRART TNYNSSRSRF YSGFNSRPRG RVYRGRARAT SWYSPY </p>
Source	E.coli
Target Names	PABPN1
Protein Names	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
Expression Region	2-306
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.



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.

Shelf Life

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