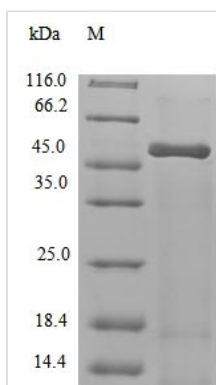




# Recombinant Arabidopsis thaliana Polyadenylate-binding protein RBP47A (RBP47A)

<b>Product Code</b>	CSB-EP522272DOA
<b>Relevance</b>	Heterogeneous nuclear ribonucleoprotein (hnRNP)-protein binding the poly(A) tail of mRNA and probably involved in some steps of pre-mRNA maturation.
<b>Abbreviation</b>	Recombinant Mouse-ear cress RBP47A protein
<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>	F4I3B3
<b>Alias</b>	RNA-binding protein 47A
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MQTPNNGSTDSVLPPTSAGTTPPPPLQQSTPPPQQQQQQQWQQQQQWM AAMQQYPAAAMAMMMQQQQMMMPHPQYAPYNQAAYQQHPQFQYAAYQQ QQQQHHQSQQQPRGGSGGDDVKTLWVGDLLHWMDETYLHTCFSTNEVSS VKVIRNKQTCQSEGYGFVEFLSRSAEEALQSFSGVTMPNAEQPFRLNWASF STGEKRASENGPDLSIFVGDLPDVSDAVLLETFAGRYPSVKGAKVVIDSNTG RSKGYGFVRFVDENERSRAMTEMNGAFCSSRQMRVGIATPKRAAAYGQQN GSQALTLAGGHGGNGSMSDGESNNSTIFVGGDLADVTEDLMQPFSDFGFV VSVKIPVGKGC GFVQFANRQSAEEAIGNLNGTVIGKNTVRLSWGRSPNKQWR SDSGNQWNGGYSRGQGYNNGYANQDSNMYATAAAVPGAS
<b>Research Area</b>	others
<b>Source</b>	E.coli
<b>Target Names</b>	RBP47A
<b>Protein Names</b>	Recommended name: Polyadenylate-binding protein RBP47A Short name= Poly(A)-binding protein RBP47A Alternative name(s): RNA-binding protein 47A Short name= AtRBP47A
<b>Expression Region</b>	1-445aa
<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>	N-terminal 10xHis-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	53.5kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



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

## Description

Expressing the recombinant *Arabidopsis thaliana* (Mouse-ear cress) RBP47A protein generally involves constructing a plasmid encoding the *Arabidopsis thaliana* (Mouse-ear cress) RBP47A protein (1-445aa). This plasmid is introduced into *e.coli* cells, followed by the selection and culturing of positive *e.coli* cells, induction of protein expression, and subsequent cell lysis. The protein is fused with a N-terminal 10xHis tag and C-terminal Myc tag. The recombinant *Arabidopsis thaliana* (Mouse-ear cress) RBP47A protein is purified through affinity purification, and SDS-PAGE analysis is conducted to confirm the presence of the protein and determine its purity. This protein exhibits a purity exceeding 90%.

## 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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