

Recombinant Human PYM protein ab98083

1 图像

描述	
产品名称	重组人PYM蛋白
纯度	>= 85 % SDS-PAGE. ab98083 was purified by using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	<u>Q9BRP8</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MEAAGSPAAT ETGKYIASTQ RPDGTWRKQR RVKEGYVPQE EVPVYENKYV KFFKSKPELP PGLSPEATAP VTPSRPEGGE PGLSKTAKRNLKRKEKRRQQ QEKGEAEALS RTLDKVSLEE TAQLPSAPQG SRAAPTAASD QPDSAATTEK AKKIKNLKKK LRQVEELQQR IQAGEVSQPS KEQLEKLARR RALEEELEDL ELGLLEHHHH HH
预测分子量	24 kDa including tags
氨基酸	1 to 204
标签	His tag C-Terminus
技术指标	
Our <b>Abpromise guarantee</b> covers the use of <b>ab98083</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	SDS-PAGE
质谱法	MALDI-TOF
形式	Liquid
补充说明	Previously labelled as WIBG.
制备和贮存	

## 稳定性和存储

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride, 0.00174% PMSF

## 常规信息

### 功能

Key regulator of the exon junction complex (EJC), a multiprotein complex that associates immediately upstream of the exon-exon junction on mRNAs and serves as a positional landmark for the intron exon structure of genes and directs post-transcriptional processes in the cytoplasm such as mRNA export, nonsense-mediated mRNA decay (NMD) or translation. Acts as a EJC disassembly factor, allowing translation-dependent EJC removal and recycling by disrupting mature EJC from spliced mRNAs. Its association with the 40S ribosomal subunit probably prevents a translation-independent disassembly of the EJC from spliced mRNAs, by restricting its activity to mRNAs that have been translated. Interferes with NMD and enhances translation of spliced mRNAs, probably by antagonizing EJC functions. May bind RNA; the relevance of RNA-binding remains unclear in vivo, RNA-binding was detected by PubMed:14968132, while PubMed:19410547 did not detect RNA-binding activity independently of the EJC.

### 序列相似性

Belongs to the pym family.

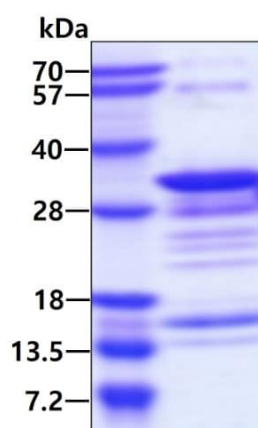
### 结构域

The eIF2A-like region shares sequence similarity with eIF2A and mediates the interaction with the 40S ribosomal subunit and the 48S preinitiation complex.

### 细胞定位

Cytoplasm. Nucleus, nucleolus. Nucleus, nucleoplasm. Shuttles between the nucleus and the cytoplasm (PubMed:14968132). Nuclear export is mediated by XPO1/CRM1 (PubMed:14968132).

## 图片



3ug by SDS-PAGE under reducing conditions and visualized by coomassie blue stain.

SDS-PAGE - Recombinant Human PYM protein  
(ab98083)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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