

Product datasheet

Recombinant Human Pur B protein ab180276

1 Image

Description

Product name	Recombinant Human Pur B protein	
Purity	> 95 % SDS-PAGE. ab180276 is purified using conventional chromatography techniques.	
Expression system	Escherichia coli	
Accession	Q96QR8	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHSSGLVPRGSHMGSMADGDSGSEGGGG GPCGFQPASRGGG EQETQELASKRLDIQNKRFYLDVKQNAKGRFLKIAEVGAG GSKSRLTLSM AVAAEFRDSLGDFFIEHYAQLGPSSPEQLAAGAEEGGPR RALKSEFLVRE NRKYLDLKENQRGRFLRIRQTVNRGGGGFGAGPGPGL QSGQTIALPAQ GLIEFRDALAKLIDYGGEDDELAGGPGGAGGPGGGLY GELPEGTSITV DSKRFFFDVGCNKYGVFLRVSEVKPSYRNAITVPFKAWG KFGGAFCRYAD EMKEIQERQRDKLYERRGGGSGGGESEGEVEDED	
Predicted molecular weight	36 kDa including tags	
Amino acids	1 to 312	
Tags	His tag N-Terminus	
Additional sequence information	NP_150093.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab180276** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Mass Spectrometry

	SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

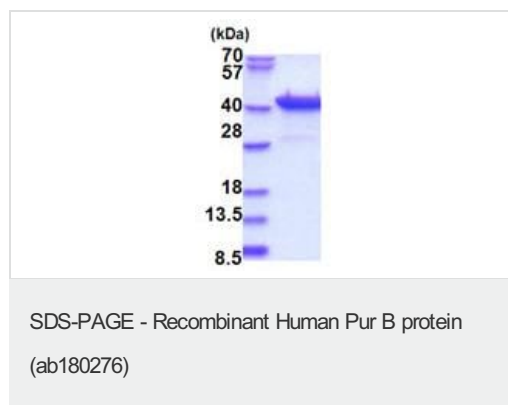
Preparation and Storage

Stability and Storage	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: 0.32% Tris HCl, 0.88% Sodium chloride, 20% Glycerol (glycerin, glycerine), 0.02% DTT

General Info

Function	Has capacity to bind repeated elements in single-stranded DNA such as the purine-rich single strand of the PUR element located upstream of the MYC gene. Plays a role in the control of vascular smooth muscle (VSM) alpha-actin gene transcription as repressor in myoblasts and fibroblasts. Participates in transcriptional and translational regulation of alpha-MHC expression in cardiac myocytes by binding to the purine-rich negative regulatory (PNR) element. Modulates constitutive liver galectin-3 gene transcription by binding to its promoter. May play a role in the dendritic transport of a subset of mRNAs.
Tissue specificity	Expressed in myocardium of heart failure patients.
Sequence similarities	Belongs to the PUR DNA-binding protein family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus.

Images



15% SDS-PAGE analysis of ab180276 (3µg).

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

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