

AR50425PU-N**Human XAB1 (1-374, His-tag) - Purified**

Alternate names:	ATPBD1A, GPN1, GTPase, MBDIN, NTPBP, XPA binding protein 1
Quantity:	0.5 mg
Concentration:	1mg/ml (determined by Bradford assay)
Background:	XAB1, as known as GPN1, belongs to the GPN-loop GTPase family. Small GTPases share a biochemical mechanism and act as binary molecular switches. One important function of small GTPases in the cell is nucleocytoplasmic transport of both proteins and RNA. This protein may play a role in DNA repair and may function in activation of transcription. And it forms an interface between the RNA polymerase II enzyme and chaperone/scaffolding protein, suggesting that it is required to connect RNA polymerase II to regulators of protein complex formation.
Uniprot ID:	Q53RZ9
NCBI:	NP_009197.1
GeneID:	11321
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT, 50mM NaCl
Description:	Recombinant human XAB1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SGLVPRGSH MGSMAASAA AAELQASGGP RHPVCLLVLG MAGSGKTTFV QRLTGHLHAQ GTPPYVINLD PAVHEVPFPA NIDIRDTVKY KEVMKQYGLG PNGGIVTSLN LFATRFDQVM KFIEKAQNMS KYVLIDTPGQ IEVFTWSASG TIITEALASS FPTVVIYVMD TSRSTNPVTF MSNMLYACSI LYKTKLPFIV VMNKTDIIDH SFAVEWMQDF EAFQDALNQE TTYVSNLTRS MSLVLDEFYS SLRVVGVSAV LGTGLDELFFV QVTSAAEYE REYRPEYERL KKSLANAESQ QREQLERLR KDMGSVALDA GTAKDSLSPV LHPSDLILTR GTLDEEDEEA DSDTDDIDHR VTEESHEEPA FQNFMQESMA QYWKRNK Molecular weight: 44.3 kDa (398aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Carre C, et al. (2011) Mol Cell Biol. 31(19):3953-62. Forget D, et al. (2010) Mol Cell Proteomics. 9(12):2827-39.

Pictures:

