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XAB1, 1-374aa, Human, His tag, E.coli

产品货号: TP04508

第三版

别名: XPA binding protein 1, GTPase, GPN1, ATPBD1A, MBDIN, NTPBP

描述: 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. Recombinant human XAB1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT, 50mM NaCl

分子量: 44.3kDa (398aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSHMAASAAAELQASGGPRHPVCLLVLMAGSGKTTFFVQRLTGHLHAQGTPPYVI
NLDPAVHEVPPANIDIRDTVKEYEVMKQYGLGPNGGIVTSLNLFATRFDQVMKFIEKAQNMSKYVLIDTPGQIEVFTWS
ASGTIITEALASSFPTVVIYVMDTSRSTNPVTFMSNMLYACSIYKTKLPFIVVMNKTDIIDHSFAVEWMQDFEAFQDALNQ
ETTYVSNLRSMSLVLDEFYSSLRVVGVS AVLGTGLDEL FVQVTSAAEEYEREYRPEYERLKKSLANAESQQQREQLERLRK
DMGSVALDAGTAKDSLSPVLHPSDLILTRGTLDEEEDDEADSDTDDIDHRVTEESHEEPAFQNFMQESMAQYWKRNNK

纯度: > 95% by HPLC

浓度: 1mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.