32-3916: GPN1 Recombinant Protein

Alternative Name : GPN-loop GTPase 1,XPA binding protein 1 GTPase,RNA polymerase II associated protein 4,MBD2-interacting protein,MBDin,ATP(GTP)-binding protein,XAB1,ATPBD1A,NTPBP,RPAP4.

Description

Source : E.coli. GPN1 Human Recombinant produced in E. coli is a single polypeptide chain containing 398 amino acids (1-374) and having a molecular mass of 44.3 kDa.GPN1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. GPN-loop GTPase 1 (GPN1) is a member of the GPN-loop GTPase family. GPN1 is a guanosine triphosphatase enzyme which has a role in DNA repair and may function in activation of transcription. Small GTPases, which share a biochemical mechanism, act as binary molecular switches and function in the cell is nucleocytoplasmic transport of both proteins and RNA. In addition, GPN1 establishs an interface between the RNA polymerase II enzyme and chaperone/scaffolding protein, proposing that it is essential to connect RNA polymerase II to regulators of protein complex formation. GPN1 may also be involved in nuclear localization of XPA.

Product Info

Amount :	25 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The GPN1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 50mM NaCl, 1mM DTT and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMAASAA AAELQASGGP RHPVCLLVLG MAGSGKTTFV QRLTGHLHAQ GTPPYVINLD PAVHEVPFPA NIDIRDTVKY KEVMKQYGLG PNGGIVTSLN LFATRFDQVM KFIEKAQNMS KYVLIDTPGQ IEVFTWSASG TIITEALASS FPTVVIYVMD TSRSTNPVTF MSNMLYACSI LYKTKLPFIV VMNKTDIIDH SFAVEWMQDF EAFQDALNQE TTYVSNLTRS MSLVLDEFYS SLRVVGVSAV LGTGLDELFV QVTSAAEEYE REYRPEYERL KKSLANAESQ QQREQLERLR KDMGSVALDA GTAKDSLSPV LHPSDLILTR GTLDEEDEEA DSDTDDIDHR VTEESHEEPA FQNFMQESMA QYWKRNNK