

GPN-loop GTPase 1 Human Recombinant

Item Number	rAP-3807
Synonyms	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	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.
Uniprot Accession Number	Q9HCN4
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MGSMAASAA AELQASGGP RHPVCLLVLG MAGSGKTTFV QRL-TGHLHAQ GTPPYVINLD PAVHEVPFPA NIDIRDTVKY KEVMKQYGLG PNGGIVTSLN LFATRFDQVM KFIKAQNMS KYVLIDTPGQ IEVFTWSASG TIITEALASS FPTVVIYVMD TSRSTNPVTF MSNMLYACSI LYKTKLPFIV VMNKTDIIDH SFAVEWMQDF EAFQDALNQE TTYVSNLTRS MSLVLDEFYS SLRVVGSAV LGTGLDELV QVTSAAEEYE REYRPEYERL KKSLANAESQ QQREQLERLR KDMGSVALDA GTAKDSLSPV LHPSDLILTR GTLDEEDEEA DSDDDDIDHR VTEESHEEPA FQNFMQES-
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The GPN1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 50mM NaCl, 1mM DTT and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**