

Guanine Nucleotide Binding Protein Beta Polypeptide 1 Human Recom-

Item Number	rAP-3358
Synonyms	Guanine Nucleotide Binding Protein (G Protein) Beta Polypeptide 1, Transducin Beta Chain 1, GNB1.
Description	GNB1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 363 amino acids (1-340) and having a molecular mass of 39.8 kDa. GNB1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P62873
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSELDQL RQEAQLKNQ IRDARKACAD ATLSQITNNI DPVGRIQMRT RRTLRLGHLAK IYAMHWGTDS RLLVSASQDG KLIWDSYTT NKVHAIPLRS SWVMTCA- YAP SGNYVACGGL DNICSIYNLK TREGNVRVSR ELAGHTGYLS CCRFLDDNQI VTSSGDTTCA LWDIETGQQT TFTGHTGDV MSLSLAPDTR LFVSGACDAS AKLWDVREGM CRQTFTGHES DI- NAICFFPN GNAFATGSDD ATCRLFDLRA DQELMTYSHD NIICGITSVS FSKSGRLLLA GYDDFNCNVW DALKADRAGV LAGHDNRVSC LGVTDDGMAV ATGSWDSFLK IWN.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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 GNB1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol. Greater than 85.0% 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**