

Guanine Nucleotide Binding Protein Beta Polypeptide 3 Human Recom-

Item Number	rAP-3362
Synonyms	Transducin Beta Chain 3, G Protein, Beta-3 Subunit, GTP-Binding Regulatory Protein Beta-3 Chain, Guanine Nucleotide-Binding Protein G(I)/G(S)/G(T) Beta Subunit 3, Guanine Nucleotide-Binding Protein
Description	GNB3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 363 amino acids (1-340 a.a) and having a molecular mass of 39.6kDa. GNB3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P16520
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGEMEQL RQEAQLKKQ IADARKACAD VTLAELVSGL EVVGRV-QMRT RRTLRLGHLAK IYAMHWATDS KLLVSASQDG KLIVWDSYTT NKVHAIPRLS SWVMTCAYAP SGNFVACGGL DNMCSIYNLK SREGNVKVSRL ELSAHTGYLS CCRFLDDNNI VTSSGDTTCA LWDIETGQQK TVFVGHTGDC MSLAVSPDFN LFISGACDAS AKLWDVREGT CRQTFTGHES DI-NAICFFPN GEAICTGSDD ASCRLFDLRA DQELICFSHE SIICGITSVA FSLSGRLLFA GYDDFN CNVW DSMKSERVGI LSGHDNRVSC LGVTADGMV 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	GNB3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea. Greater than 80.0% 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**