

## Guanine Nucleotide Binding Protein Beta Polypeptide 3 Human Recombinant

<b>Item Number</b>	rAP-3362
<b>Synonyms</b>	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
<b>Description</b>	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.
<b>Uniprot Accesion Number</b>	P16520
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMGEMEQL RQEAQLKKQ IADARKACAD VTLAELVSGL EVVGRV- QMRT RRTLRLGHLAK IYAMHWATDS KLLVSASQDG KLIVWDSYTT NKVHAIPRLS SWVMTCAYAP SGNFVACGGL DNMCISIYNLK SREGNVKVSRL ELSAHTGYLS CCRFLDDNNI VTSSGDTTCA LWDIETGQQK TVFVGHTGDC MSLAVSPDFN LFISGACDAS AKLWDVREGT CRQFTGHEs DI- NAICFFPN GEAICTGSDD ASCRLFDLRA DQEELICFSHE SIICGITSVA FSLSGRLLFA GYDDFNCNVW DSMKSERVGI LSGHDNRVSC LGVTADGMAV ATGSWDSFLK IWN.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	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.
<b>Formulation and Purity</b>	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.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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 end users! This product is sold for **Research Use Only**