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# 32-3902: GNB3 Recombinant Protein

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| **Alternative Name :** | 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 G(I)/G(S)/G(T) Subunit Beta-3,Hypertension Associat |

## Description

Source : Escherichia Coli. 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. GNB3 belongs to the WD repeat G protein beta family. GNB3 is an important regulator of alpha subunit, as well as of certain signal transduction receptor and effector. A single-nucleotide polymorphism (C825T) in GNB3 is linked with essential hypertension and obesity. In addition, this polymorphism is also linked with the occurrence of the splice variant GNB3-s, which seems to have increased activity. GNB3-s is an example of alternative splicing caused by a nucleotide change outside of the splice donor and acceptor sites. Further splice variants may exist for GNB3, however they have not been fully described. Among the diseases associated with GNB3 are syncope, and aortic coarctation.

## Product Info

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| **Amount :** | 20 µg |
| **Purification :** | Greater than 80.0% as determined by SDS-PAGE. |
| **Content :** | GNB3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea. |
| **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 MGSMGEMEQL RQEAEQLKKQ IADARKACAD VTLAELVSGL EVVGRVQMRT RRTLRGHLAK IYAMHWATDS KLLVSASQDG KLIVWDSYTT NKVHAIPLRS SWVMTCAYAP SGNFVACGGL DNMCSIYNLK SREGNVKVSR ELSAHTGYLS CCRFLDDNNI VTSSGDTTCA LWDIETGQQK TVFVGHTGDC MSLAVSPDFN LFISGACDAS AKLWDVREGT CRQTFTGHES DINAICFFPN GEAICTGSDD ASCRLFDLRA DQELICFSHE SIICGITSVA FSLSGRLLFA GYDDFNCNVW DSMKSERVGI LSGHDNRVSC LGVTADGMAV ATGSWDSFLK IWN. |