

Guanine Nucleotide Binding Protein Beta Polypeptide 3 Recombinant Protein | GNB3 recombinant protein

Recombinant Human Guanine Nucleotide Binding Protein Beta Polypeptide 3

CATALOG # AAA38435	HOST E Coli
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PRODUCT SYNONYMS

Guanine Nucleotide Binding Protein Beta Polypeptide 3; Recombinant Human Guanine Nucleotide Binding Protein Beta Polypeptide 3; GNB3 Human; Guanine Nucleotide Binding Protein Beta Polypeptide 3 Human Recombinant; 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 Associated Protein; Guanine Nucleotide Binding Protein (G Protein); Beta Polypeptide 3; GNB3; GNB3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 80.0% as determined by SDS-PAGE.
Form/Format	GNB3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea. Sterile Filtered clear solution.
Sequence	<u>MGSSHHH HHHSSGLVPR GSHMGS</u> MGEMEQLRQE AEQLKKQIAD ARKACADVTL AELVSGLEV GRVQMRTRRT LRGLAKIYA MHWATDSKLL VSASQDGKLI VWDSYTTNKV HAIPLRSSWV MTCAYAPSGN FVACGGLDNM CSIYNLKSRE GNVKVSRELS AHTGYLSCCR FLDDNNIVTS SGDTCALWD IETGQKTVF VGHTGDCMSL AVSPDFNLFI SGACDASAKL WDVREGTCRQ TFTGHESDIN AICFFPNGEA ICTGSDDASC RLFDLRADQE LICFSHESII CGITSVAFSL SGRLLFAGYD DFNCNVWDSM KSERVGILSG HDNRVSLCLGV TADGMAVATG SWDSFLKIWN
Sequence Length	339

ADDITIONAL INFORMATION

Related Product Information for GNB3 recombinant 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. Introduction: 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 Categories/Family for GNB3 recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; Guanine Nucleotide Binding Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	662033915
NCBI GeneID	2784
NCBI Accession #	NP_001284500.1

NCBI GenBank Nucleotide #	NM_001297571.1
UniProt Accession #	P16520 ; Q96B71 ; Q9BQC0
Molecular Weight	32,633 Da
NCBI Official Full Name	guanine nucleotide-binding protein G(l)/G(S)/G(T) subunit beta-3 isoform 2
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), beta polypeptide 3
NCBI Official Symbol	GNB3
NCBI Protein Information	guanine nucleotide-binding protein G(l)/G(S)/G(T) subunit beta-3; guanine nucleotide-binding protein G(l)/G(S)/G(T) subunit beta-3; G protein, beta-3 subunit; GTP-binding regulatory protein beta-3 chain; guanine nucleotide-binding protein G(l)/G(S)/G(T) beta subunit 3; hypertension associated protein; transducin beta chain 3
UniProt Protein Name	Guanine nucleotide-binding protein G(l)/G(S)/G(T) subunit beta-3
UniProt Gene Name	GNB3
UniProt Entry Name	GBB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gnb3-recombinant-protein-e-coli/38435>