

**GNB3, 1-340aa, Human, His tag, E.coli**

**Cat.NO.: TP02291**

3th Edition

**Synonyms:**Guanine nucleotide-binding protein subunit beta-3, Guanine nucleotide binding protein (G protein), beta polypeptide 3

**Description:**GNB3 is important regulator of alpha subunit, as well as of certain signal transduction receptor and effector. A single-nucleotide polymorphism (C825T) in this protein is associated with essential hypertension and obesity. This polymorphism is also associated with the occurrence of the splice variant GNB3-s, which appears 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. Additional splice variants may exist for this gene, but they have not been fully described. Recombinant human GNB3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

**Molecular Weight:**39.6 kDa(363aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMGEMEQLRQEAEQLKKQIADARKACADVTLAELVSGLEVVGGRVQMRTRRT  
LRGHLAKIYAMHWATDSKLLVSASQDGKLIVWDSYTTNKVHAIPRSSWVMTCAAPSGNFVACGGLDNMCSIYNL  
KSREGNVKVSRELSAHTGYLSCCRFLDDNNIVTSSGDTTCALWDIETGQQKTVFVGHTGDCMSLAVSPDFNLFISG  
ACDASAKLWDVREGTCRQFTTGHESDINAICFFPNGEAICTGSDDASCRLFDLRADQELICFSHESIICGITSVAFSL  
SGRLLFAGYDDFNCNVWDSMKSERVGILSGHDNRVSCLGVTADGMAVATGSWDSFLKIWN

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.