9051 Mira Mesa Blvd, #910094
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GNB1 Human

Guanine Nucleotide Binding Protein Beta Polypeptide 1 Human Recombinant RCP0939

Product Overview

Name	GNB1 Human
Description	
Guanine Nucleotide Binding Protein Beta Polypeptide 1 Human Recombinant	
Accession (Primary)	P62873
Synonyms	
Guanine Nucleotide Binding Protein (G Protein) Beta Polypeptide 1, Transducin Beta Chain 1, GNB1.	
Introduction	
Heterotrimeric guanine nucleotide-binding proteins (G proteins) which integrate signals between receptors and effector proteins, are comprised of an alpha, a beta and a gamma subunit. The alpha, beta and gamma subunits are encoded by families of related genes. GNB1 encodes a beta subunit. Beta subunits are vital regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. G proteins are involved as a modulator or transducer in numerous transmembrane signaling systems. The beta and gamma chains are necessary for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The GNB1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MSELDQL RQEAEQLKNQ IRDARKACAD ATLSQITNNI DPVGRIQMRT RRTLRGHLAK IYAMHWGTDS RLLVSASQDG KLIIWDSYTT NKVHAIPLRS SWVMTCAYAP SGNYVACGGL DNICSIYNLK TREGNVRVSR ELAGHTGYLS CCRFLDDNQI VTSSGDTTCA LWDIETGQQT TTFTGHTGDV	

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MSLSLAPDTR LFVSGACDAS AKLWDVREGM CRQTFTGHES DINAICFFPN GNAFATGSDD ATCRLFDLRA DQELMTYSHD NIICGITSVS FSKSGRLLLA GYDDFNCNVW DALKADRAGV LAGHDNRVSC LGVTDDGMAV ATGSWDSFLK IWN.

Precautions

GNB1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P62873)