9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GNB2L1 Human

Guanine Nucleotide Binding Protein beta polypeptide 2-like 1 Human Recombinant RCP0940

Product Overview

Name	GNB2L1 Human
Description	
Guanine Nucleotide Binding Protein beta polypeptide 2-like 1 Human Recombinant	
Accession (Primary)	P63244
Synonyms	
Guanine nucleotide binding protein (G protein) beta polypeptide 2-like 1, RACK1, Receptor for Activated C Kinase 1, Gnb2-rs1, H12.3, Cell proliferation-inducing gene 21 protein, Guanine nucleotide-binding protein subunit beta-like protein 12.3, Human lung cancer oncogene 7 protein, Receptor of activated protein kinase C 1, HLC-7, PIG21, proliferation-inducing gene 21, protein homologous to chicken B complex protein guanine nucleotide binding.	
Introduction	
GNB2L1 was first known as an anchoring protein for protein kinase C beta (PKCbeta), which it stabilizes in the active state and anchors to membranes or functional sites. But, there is now confirmation that GNB2L1 has an essential part of in critical biological responses. GNB2L1 binds specifically to the active form of PKCbeta isoforms and cooperates with numerous other vital signaling proteins such as the androgen receptor, the Src kinase family, integrin beta1, integrin beta2, integrin beta3 and integrin beta5, beta-spectrin and dynamin, RasGAP, IGF-1r, Epstein-Barr virus trans-activator protein BZLF1, p73 and pRB. GNB2L1 is highly expressed in tissues of higher mammals and humans including spleen, liver and brain.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The GNB2L1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 5mM DTT and 50% 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 95% as determined by SDS-PAGE.	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MTEQMTLRGT LKGHNGWVTQ IATTPQFPDM ILSASRDKTI IMWKLTRDET NYGIPQRALR GHSHFVSDVV ISSDGQFALS GSWDGTLRLW DLTTGTTTRR FVGHTKDVLS VAFSSDNRQI VSGSRDKTIK LWNTLGVCKY TVQDESHSEW VSCVRFSPNS SNPIIVSCGW DKLVKVWNLA NCKLKTNHIG HTGYLNTVTV SPDGSLCASG GKDGQAMLWD LNEGKHLYTL DGGDIINALC FSPNRYWLCA ATGPSIKIWD LEGKIIVDEL KQEVISTSSK AEPPQCTSLA WSADGQTLFA GYTDNLVRVW QVTIGTR

Precautions

GNB2L1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P63244)