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ITGB1BP3 Human

Catalog #:PRPS-1184

For research use only.

Description:ITGB1BP3 Human Recombinant produced in E. coli is a single polypeptide chain containing 253 amino acids (1-230) and having a molecular mass of 28.4 kDa.ITGB1BP3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms: Nicotinamide riboside kinase 2, Ribosylnicotinamide kinase 2, Ribosylnicotinic acid kinase 2, ITGB1BP3, MIBP, NRK2, NmR-K 2.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMKLIVGI GGMTNGGKTT LTNSLLRALP NCCVIHQDDF FKPQDQIAVG EDGFKQWDVL ESLDMEAMLD TVQAWLSSPQ KFARAHGVSV QPEASDTHIL LLEGFLLYSY KPLVDLYSRR YFLTVPYEEC KWRRSTRNYT VPDPPGLFDG HVWPMYQKYR QEMEANGVEV VYLDGMKSRE ELFREVLEDI QNSLLNRSQE SAPSPARPAR TQ

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The ITGB1BP3 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 40% 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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Nicotinamide riboside kinase 2 (ITGB1BP3) is a member of the uridine kinase family and NRK subfamily. ITGB1BP3 catalyzes the phosphorylation of nicotinic acid riboside and nicotinamide riboside to create nicotinic acid mononucleotide and nicotinamide mononucleotide. ITGB1BP3 reduces laminin matrix deposition and cell adhesion to laminin, but not to fibronectin. ITGB1BP3 is involved in the regulation of PXN at the protein level and of PXN tyrosine phosphorylation. ITGB1BP3 also has a role in the regulation of terminal myogenesis.

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