
Product Data Sheet

Product Name: ITGB1BP3 Human

Cat. No.: GP23718

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Nicotinamide riboside kinase 2; RibosylNicotinamide kinase 2; RibosylNicotinic acid kinase 2; ITGB1BP3; MIBP; NRK2; NmR-K 2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMKLIVGI GGMTNGGKTT LTNSLLRALP NCCVIHQDDF FKPQDQIAVG EDGFKQWDVL ESLDMEAML D TVQAWLSSPQ KFARAHGVSV QPEASDTHIL LLEGFLLYSY KPLVDLYSRR YFLTVPYEEC KWRRSTRNYT VPDPPGLFDG HVWPMYQKYR QEMEANGVEV VYLDGMKSRE ELFREVLEDI QNSLLNRSQE SAPSPARPAR TQGPGRGCGH RTARPAASQQ DSM		
Formulation	The ITGB1BP3 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 40% glycerol.		

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.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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