

Recombinant human ITGB1BP3 protein

Catalog Number: ATGP1670

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-230aa

UniProt No.

Q9NPI5

NCBI Accession No.

NP_733778

Alternative Names

Nicotinamide riboside kinase 2, MIBP, NRK2

PRODUCT SPECIFICATION

Molecular Weight

28.4 kDa (253aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 40% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Nicotinamide riboside kinase 2, also known as ITGB1BP3, belongs to the uridine kinase family and NRK subfamily. ITGB1BP3 is found at lower levels in heart and is downregulated during myoblast differentiation. ITGB1BP3 catalyzes the phosphorylation of nicotinic acid riboside and nicotinamide riboside to form nicotinic acid mononucleotide and nicotinamide mononucleotide. Recombinant human ITGB1BP3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMKLIVGI GGMTNNGGKTT LTNSLLRALP NCCVIHQDDF FKPQDQIAVG EDGFKQWDVL
ESLDMEAMLD TVQAWLSSPQ KFARAHGVSV QPEASDTHIL LLEGFLLYSY KPLVDLYSRR YFLTVPYEEC KWRSTRNYT
VPDPPGLFDG HVWPMYQKYR QEMEANGVEV VYLDGMKSRE ELFREVLEDI QNSLLNRSQE SAPSPARPAR TQGPGRGCGH
RTARPAASQQ DSM

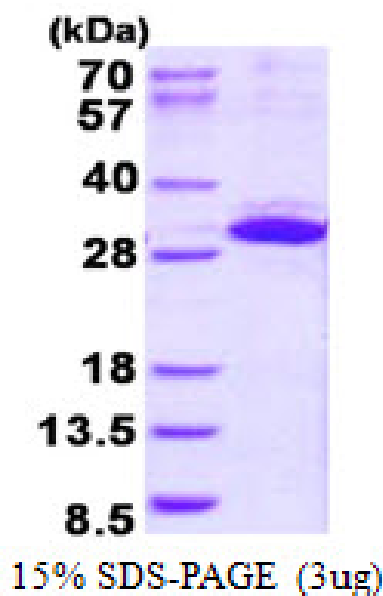
General References

Li J., et al. (1999) J Cell Biol. 147: 1391-1398

Li J., et al. (2003) Dev Biol. 261: 209-219.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.