Datasheet for ABIN7549845

ITGB1BP3 Protein (AA 1-230) (His tag)

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Overview

Quantity:	1 mg
Target:	ITGB1BP3
Protein Characteristics:	AA 1-230
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITGB1BP3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NMRK2 Protein expressed in mammalian cells.
Sequence:	MKLIVGIGGM TNGGKTTLTN SLLRALPNCC VIHQDDFFKP QDQIAVGEDG FKQWDVLESL DMEAMLDTVQ AWLSSPQKFA RAHGVSVQPE ASDTHILLLE GFLLYSYKPL VDLYSRRYFL TVPYEECKWR RSTRNYTVPD PPGLFDGHVW PMYQKYRQEM EANGVEVVYL DGMKSREELF REVLEDIQNS LLNRSQESAP SPARPARTQG PGRGCGHRTA RPAASQQDSM **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ITGB1BP3
Alternative Name:	NMRK2 (ITGB1BP3 Products)
Background:	Nicotinamide riboside kinase 2 (NRK 2) (NmR-K 2) (EC 2.7.1.22) (Integrin beta-1-binding protein 3) (Muscle integrin-binding protein) (MIBP) (Nicotinic acid riboside kinase 2) (EC 2.7.1.173) (Ribosylnicotinamide kinase 2) (RNK 2) (Ribosylnicotinic acid kinase 2),FUNCTION: Catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). Reduces laminin matrix deposition and cell adhesion to laminin, but not to fibronectin. Involved in the regulation of PXN at the protein level and of PXN tyrosine phosphorylation. May play a role in the regulation of terminal myogenesis. {ECO:0000269|PubMed:10613898, ECO:0000269|PubMed:15137942}.
Molecular Weight:	26.0 kDa
UniProt:	Q9NPI5
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months