

Recombinant human ALK-6/BMPR1B protein

Catalog Number: ATGP3104

PRODUCT INFORMATION

Expression system

E.coli

Domain

14-126aa

UniProt No.

O00238

NCBI Accession No.

NP_001243723

Alternative Names

Bone morphogenetic protein receptor type-1B isoform b, ALK-6, ALK6, CDw293, BMP type-1B receptor, BMPR-1B

PRODUCT SPECIFICATION

Molecular Weight

15.1 kDa (136aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT, 0.1mM PMSF

Purity

> 80% 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

BMPR1B also known as bone morphogenetic protein receptor type-1B isoform b. BMPR1B is on ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. It's receptor for BMP7/OP-1 and GDF5. Recombinant human BMPR1B was expressed in E. coli and purified by using conventional chromatography techniques

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Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSKKEDGES TAPTPRPKVL RCKCHHCPE DSVNNICSTD GYCFTMIEED DSGLPVVTSG
CLGLEGSDFQ CRDTPIPHQR RSIECCTERN ECKNDLHPTL PPLKNRDFVD GPIHHR

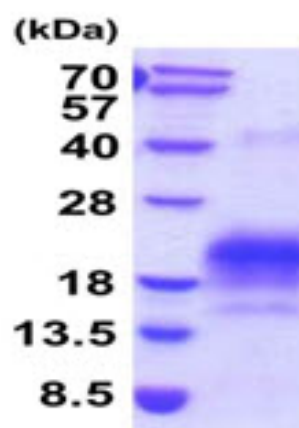
General References

Ide H., et al. (1997) Oncogene 14:1377-1382.

Greenman C., et al. (2007) Nature 446:153-158.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)