

Recombinant human ALK-3/BMPR1A protein

Catalog Number: ATGP3541

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

24-152aa

UniProt No.

P36894

NCBI Accession No.

NP_004320

Alternative Names

Bone morphogenetic protein receptor type 1A, BMP type-1A receptor, BMPR-1A, Activin receptor-like kinase 3, ALK-3, Serine/threonine-protein kinase receptor R5, SKR5, CD292, ACVRLK3, ALK3

PRODUCT SPECIFICATION

Molecular Weight

41.4 kDa (371aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-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

BMPR1A, also known as bone morphogenetic protein receptor type-1A, is secreted cytokines/growth factors belonging to the Transforming Growth Factor beta (TGFbeta) family. It has been shown to be overexpressed in human breast cancers. Its deletion impairs mammary tumor formation and metastasis. It plays important roles in

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the differentiation and development of neurons. Its expression is up-regulated during bone formation, and that they may play important roles in bone morphogenesis. Recombinant human BMPR1A, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

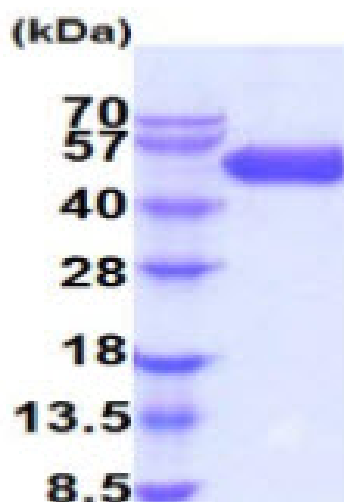
ADPQNLD SML HGTGMKSDSD QKXSENGVTL APEDTL PFLK CYCSGHCPDD AINNTCITNG HCF AII EEDD QGETTLASGC
MKYEGSDFQC KDSPKAQLRR TIECCRTNLC NQYLQPTLPP VVIGPFFDGS IRLEPKSCDK THTCPPCPAP ELLGGPSVFL
FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK
VSNKALPAPI EKTISKAKGQ PREPQVYVTLPSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG
SFFLYSKLTV DKSRWQQGNV FSCVMHEAL HNHYTQKSL S LSPGKHHHHH H

General References

Pickup MW., et al. (2015) *Oncotarget*. 6:22890-22904.
Wang W., et al. (2014) *Int J Clin Exp Pathol*. 7:2312-2318.
Ishidou Y., et al. (1995) *J Bone Miner Res*. 10:1651-1659.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)