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Recombinant human ALK-1 protein

Catalog Number: ATGP3205

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-118aa

UniProt No.

P37023

NCBI Accession No.

NP 000011.2

Alternative Names

ACVRL1, ACVRLK1, ALK-1, ALK1, HHT, HHT2, ORW2, SKR3, TSR-I

PRODUCT SPECIFICATION

Molecular Weight

11.5 kDa (103aa)

Concentration

0.25mg/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

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

ACVRL1, also known as serine/threonine-protein kinase receptor R3, is a membrane-anchored proteoglycan whose core protein binds TGFf3 and has a short cytoplasmic domain with no discernible signaling structure. Also, this protein shares similar domain structures with other closely related ALK or activin receptor-like kinase proteins that form a subfamily of receptor serine/threonine kinases. Recombinant human ACVRL1, fused to His-



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tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

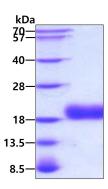
DPVKPSRGPL VTCTCESPHC KGPTCRGAWC TVVLVREEGR HPQEHRGCGN LHRELCRGRP TEFVNHYCCD SHLCNHNVSL VLEATQPPSE QPGTDGQ<HHH HHH>

General References

Chien CY., et al. (2013) Otolaryngol Head Neck Surg. 148(6):965-973. Yu Q., et al. (2013) PLoS ONE. 8(2):E58031.

DATA

SDS-PAGE



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

