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Datasheet for ABIN7491395

ACVR1C/ALK7 Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	ACVR1C/ALK7 (ACVR1C)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACVR1C/ALK7 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human ACVR1C Protein with C-terminal human Fc tag
Specificity:	ACVR1C (Leu22-Glu113) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	ACVR1C/ALK7 (ACVR1C)
Alternative Name:	ACVR1C (ACVR1C Products)
Background:	ACVRLK7, ALK7ACVR1C is a type I receptor for the TGFB (see MIM 190180) family of signaling molecules. Upon ligand binding, type I receptors phosphorylate cytoplasmic SMAD transcription factors, which then translocate to the nucleus and interact directly with DNA or in complex with other transcription factors (Bondestam et al., 2001 [PubMed 12063393]).[supplied

Target Details

	by OMIM, Mar 2008]
Molecular Weight:	predicted molecular mass of 36.0 kDa after removal of the signal peptide. The apparent molecular mass of ACVR1C-hFc is 35-70 kDa due to glycosylation.
UniProt:	Q8NER5
Pathways:	Negative Regulation of Hormone Secretion, Positive Regulation of Endopeptidase Activity

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months