Datasheet for ABIN7597466

ACVR2B Protein (AA 19-137) (Fc Tag)

Go to Product page

Overview

Quantity:	10 µg
Target:	ACVR2B
Protein Characteristics:	AA 19-137
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACVR2B protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human ACVR2B Protein with C-terminal human Fc tag
Sequence:	ACVR2B(Ser19-Thr137) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	ACVR2B
Alternative Name:	ACVR2B (ACVR2B Products)
Background:	HTX4, ACTRIIB, ActR-IIB Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I

Target Details

	and IB) and two type II (II and IIB) receptors. These receptors are all transmembrane proteins, composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling, and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. Type II receptors are considered to be constitutively active kinases. This gene encodes activin A type IIB receptor, which displays a 3- to 4-fold higher affinity for the ligand than activin A type II receptor. [provided by RefSeq, Jul 2008]
Molecular Weight:	predicted molecular mass of 39.8 kDa after removal of the signal peptide. The apparent molecular mass of ACVR2B-hFc is 55-70 kDa due to glycosylation.
UniProt:	Q13705
Pathways:	Hormone Transport, Cancer Immune Checkpoints

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: • Immunogens for antibody drug development • Reagents used for CAR-T positive cell monitoring • Reagents for antibody screening and functional testing • Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from 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.

Handling

Expiry Date:	12 months