Datasheet for ABIN7504222

ACVR2B Protein (AA 19-137) (His tag)

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Overview

Quantity:	100 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 His tag.

Product Details

Purpose:	Human Activin RIIB/ACVR2B Protein
Sequence:	Ser19-Thr137
Characteristics:	Recombinant Human Activin RIIB/ACVR2B Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Ser19-Thr137.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	ACVR2B
Alternative Name:	Activin RIIB (ACVR2B Products)

Target Details

Background:	ActRIIB (activin receptor type-2B) is an activin receptor subtype constitutively expressed in the whole body, playing a role in cellular proliferation, differentiation, and metabolism. For its various physiological activities, ActRIIB interacts with activin and multiple other ligands including myostatin (MSTN), growth differentiation factor 11 (GDF11), and bone morphogenetic protein 9 (BMP9).
Molecular Weight:	14.75 kDa. Due to glycosylation, the protein migrates to 25-45 kDa based on Tris-Bis PAGE result.
Pathways:	Hormone Transport, Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months