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Datasheet for ABIN7504221

ACVR2A Protein (AA 20-135) (His tag)

Overview

Quantity:	100 µg
Target:	ACVR2A
Protein Characteristics:	AA 20-135
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACVR2A protein is labelled with His tag.

Product Details

Purpose:	Human Activin RIIA/ACVR2A Protein
Sequence:	Ala20-Pro135
Characteristics:	Recombinant Human Activin RIIA/ACVR2A Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala20-Pro135.
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:	ACVR2A
Alternative Name:	Activin RIIA (ACVR2A Products)

Target Details

Background:	Activin A receptor type 2A (ACVR2A) is a membrane receptor in the transforming growth factor-beta (TGF- β signaling pathway, which is involved in the regulation of cell proliferation, migration, and apoptosis. Loss of ACVR2A has an important role in cancer progression and distant metastasis and may serve as a prognostic marker in patients with colon cancer.
Molecular Weight:	14.50 kDa. Due to glycosylation, the protein migrates to 30-42 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m 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