

Mouse Activin RIIA/ACVR2A Protein

Cat. No. ARA-MM12A

Description

Source	Recombinant Mouse Activin RIIA/ACVR2A Protein is expressed from HEK293 with His tag at the C-terminus It contains Ala20-Pro135.
Accession	P27038
Molecular Weight	The protein has a predicted MW of 15.06 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

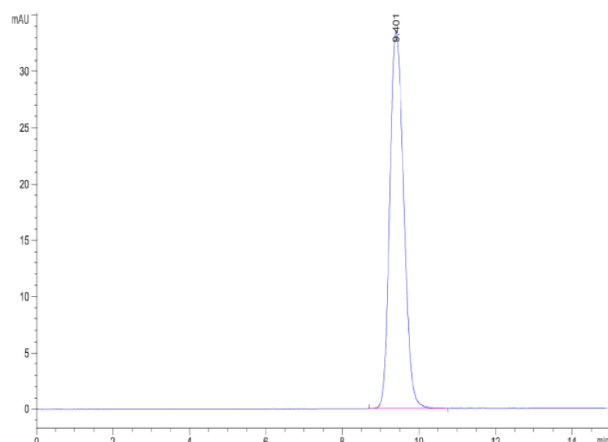
Assay Data

Tris-Bis PAGE



Mouse Activin RIIA on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

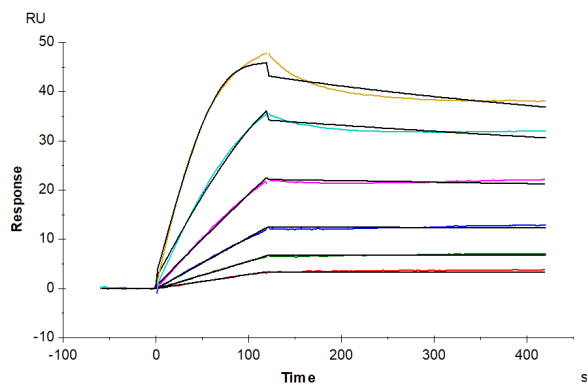
SEC-HPLC



The purity of Mouse Activin RIIA is greater than 95% as determined by SEC-HPLC.

Assay Data

SPR Data



Mouse Activin RIIA , His Tag captured on CM5 Chip via Anti-His Antibody can bind Human Activin A, No Tag with an affinity constant of 46.06 pM as determined in SPR assay (Biacore T200).