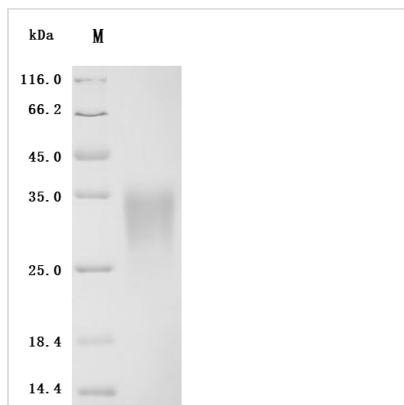




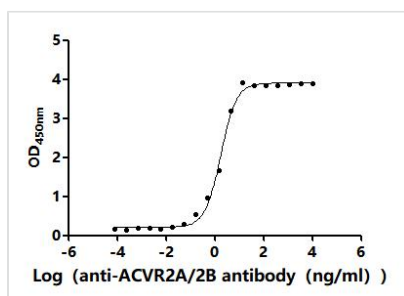
# Recombinant Mouse Activin receptor type-2A (Acvr2a), partial (Active)

<b>Product Code</b>	CSB-MP001260MO1
<b>Abbreviation</b>	Recombinant Mouse ACVR2A protein, partial (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P27038
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Mouse ACVR2A at 2 µg/mL can bind Anti-ACVR2A recombinant antibody (CSB-RA623829MA1HU). The EC50 is 1.562-1.966 ng/mL.
<b>Purity</b>	Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
<b>Sequence</b>	AILGRSETQECLFFNANWERDRTNQTGVEPCYGDKDKRRHCFATWKNISGSI EIVKQGCWLDDINCYDRTDICIEKKDSPEVYFCCCEGNMCNEKFSYFPEMEVT QPTSNPVT PKPP
<b>Source</b>	Mammalian cell
<b>Target Names</b>	ACVR2A
<b>Expression Region</b>	20-135aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	C-terminal 10xHis-tagged
<b>Mol. Weight</b>	14.8 kDa
<b>Protein Length</b>	Partial

Image

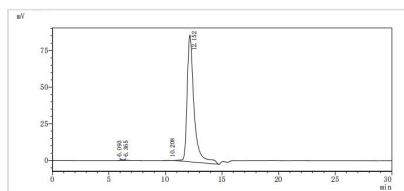


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



#### Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse Acvr2a at 2 µg/ml can bind Anti-ACVR2A&ACVR2B recombinant antibody (CSB-RA623829MA1HU). The EC<sub>50</sub> is 1.562-1.966 ng/mL.



The purity of ACVR2A was greater than 95% as determined by SEC-HPLC

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.