

Product Datasheet

Recombinant Human Activin receptor type-2B (ACVR2B), partial (Active) (orb2658696)

Catalog Number	orb2658696
Category	Proteins
Description	Recombinant Human Activin receptor type-2B (ACVR2B), partial (Active)
Tag	C-terminal 10xHis-tagged
Form/Appearance	Lyophilized powder
Buffer/Preservatives	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Purity	Greater than 95% as determined by SDS-PAGE.
Protein Sequence	SGRGEAETRECIYYNANWELERTNQSGLERCEGEQDKRLHCYASWRNSSGTIELVKKGCW LDDFNCYDRQECVATEENPQVYFCCCEGNFCNERFTHLPEAGGPEVTYEPPTAPTLT
Protein Length	Partial
UniProt ID	Q13705
MW	15.0 kDa
Application notes	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.
Endotoxins	Less than 1.0 EU/ug as determined by LAL method.
Source	Mammalian cell
Biological Origin	Homo sapiens (Human)

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Biological Activity

Measured by its binding ability in a functional ELISA. Immobilized Human ACVR2B at 2 $\mu\text{g/mL}$ can bind Anti-ACVR2A&ACVR2B recombinant antibody. The EC50 is 2.983-3.438 ng/mL.

Expression Region

19-137aa

Storage

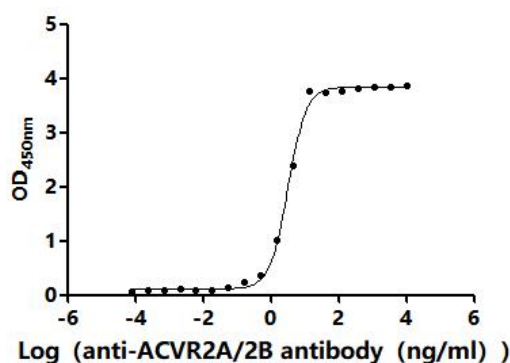
The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.

Note

For research use only



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



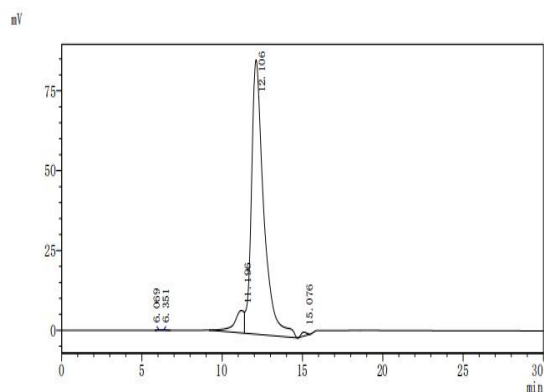
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The purity of ACVR2B was greater than 90% as determined by SEC-HPLC

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