



Recombinant Chicken Activin receptor type-2B (ACVR2B), partial

Product Code	CSB-MP820878CH1
Abbreviation	ACVR2B
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q90670
Product Type	Recombinant Protein
Immunogen Species	Gallus gallus (Chicken)
Purity	>85% (SDS-PAGE)
Sequence	ETRECI YYNANWELEK TNQSGVERCE GEKDKRLHCY ASWRNNSGSI ELVKKGCWLD DFNCYDRQEC VATEENPQVF FCCCEGNYCN EKFTHLPEVT GPEVIYEPPP PTPSLLN
Source	Mammalian cell
Target Names	ACVR2B
Protein Names	Recommended name: Activin receptor type-2B EC= 2.7.11.30 Alternative name(s): Activin receptor type IIB Short name= ACTR-IIB
Expression Region	25-137
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Partial
Target Details	Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I and IB) and two type II (II and IIB) receptors. These receptors are all transmembrane proteins, composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling; and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. Type II receptors are considered to be constitutively active kinases. This gene encodes activin A type IIB receptor, which displays a 3- to 4-fold higher affinity for the ligand than activin A type II receptor.

**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

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