

ACVR2B recombinant protein

ACVR2B, Active

CATALOG #
AAA73248

HOST
Sf9 insect cells

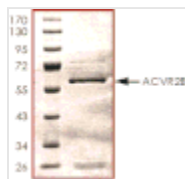
PRODUCT SYNONYMS

ACVR2B; Active; ActR-IIB; ACTRIIB; MGC116908; ACVR2B recombinant protein

PRODUCT SPECIFICATIONS

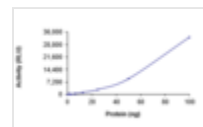
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample purity data. For lot-specific data please refer to the specific datasheet.



Activity

Activity: Sample activity data. For lot-specific data please refer to the specific datasheet.

ADDITIONAL INFORMATION

Related Product Information for ACVR2B recombinant protein

Recombinant human ACVR2B (182-488) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_001106.

Activins are dimeric growth and differentiation factors belonging to the TGF-beta superfamily of structurally related signaling proteins that 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 (1). Activin receptor type-2B (ACVR2B) has been shown to regulate muscle growth (2), and is associated with visceral heterotaxy (3). ACVR2B is a transmembrane protein composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic kinase domain with predicted serine/threonine specificity.

Product Categories/Family for ACVR2B recombinant protein

[Kinase Protein](#); [Apoptosis/Autophagy](#); [Cancer](#); [Cell Cycle](#); [Cellular Stress](#); [Ser/Thr Kinases](#)

References

1. Bondestam, J. et.al: Assignment of ACVR2 and ACVR2B the human activin receptor type II and IIB genes to chromosome bands 2q22.2-q23.3 and 3p22 and the human follistatin gene (FST) to chromosome 5q11.2 by FISH. Cytogenet. Cell Genet. 87: 219-220, 1999.
2. Lee, S.-J. et.al: Regulation of muscle growth by multiple ligands signaling through activin type II receptors. Proc. Nat. Acad. Sci. 102: 18117-18122, 2005.
3. Kosaki R. et al: Left-right axis malformations associated with mutations in ACVR2B, the gene for human activin receptor type IIB. AM. J. Med. Genet. 82: 70-76, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_001106](#)

Molecular Weight

approx. MW: 61kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/acvr2b-recombinant-protein-sf9/73248>