

Activin receptor type-2B (ACVR2B) Active Protein | ACVR2B active protein

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

CATALOG # AAA116934	HOST Mammalian Cell
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PRODUCT SYNONYMS

Activin receptor type-2B (ACVR2B); Recombinant Human Activin receptor type-2B (ACVR2B); partial; ACVR2B active protein

PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	19-137aa; partial
Sequence	SGRGEAETRE CIYYNANWEL ERTNQSGLER CEGEQDKRLH CYASWRNSSG TIELVKKGCW LDDFNCYDRQ ECVATEENPQ VYFCCCEGNF CNERFTHLPE AGGPEVTYEP PPTAPTLLT
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for ACVR2B active protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116734708
NCBI GeneID	93
NCBI Accession #	NP_001097.2
NCBI GenBank Nucleotide #	NM_001106.3
UniProt Accession #	Q13705 ; Q4VAV0
Molecular Weight	27.7
NCBI Official Full Name	activin receptor type-2B
NCBI Official Synonym Full Names	activin A receptor type 2B

NCBI Official Symbol	ACVR2B
NCBI Official Synonym Symbols	HTX4; ACTRIIB; ActR-IIB
NCBI Protein Information	activin receptor type-2B
UniProt Protein Name	Activin receptor type-2B
UniProt Gene Name	ACVR2B
UniProt Synonym Gene Names	ACTR-IIB

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://stage.aaabiotech.com/mammalian-cell-active-protein/activin-receptor-type-2b-acvr2b/116934>