

Recombinant Human ACVR2B

Catalog No: #GP10207



Package Size: #GP10207-1 100ug

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Description

Product Name	Recombinant Human ACVR2B
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 300 amino acids of human activin A receptor, type IIB
Target Name	activin A receptor, type IIB
Other Names	HTX4; ACTRIIB; ActR-IIB
Accession No.	Swissprot:Q13705Gene Accession:BC096243
Uniprot	Q13705
GeneID	93;
Storage	-20~-80°C, pH 7.6 PBS

Background

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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