

# Recombinant Human ACVR2A

Catalog No: #GP10940



Package Size: #GP10940-1 100ug

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Recombinant Human ACVR2A
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 195-485 amino acids of human activin A receptor, type IIA
Target Name	Activin A receptor, type IIA
Other Names	ACVR2; ACTRII
Accession No.	Swissprot:P27037Gene Accession:BC069707
Uniprot	P27037
GeneID	92;
Storage	-20~-80°C, pH 7.6 PBS

## Background

This gene encodes activin A type II receptor. 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.

## 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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