

## Active Recombinant Human Activin A Receptor, Type IB

Cat. No. ACVR1B-1916H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Activin A Receptor, Type IB was expressed in <i>human 293 cells</i> .
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Xeno-free Activin AHuXp is a member of the TGF beta superfamily, expressed from human 293 cells as disulfide linked homodimer with an apparent molecular mass of 25 kDa. This cytokine is produced in a serum-free, chemically defined media. The purity is greater than 95%.
<b>Activity</b>	0.5 to 5 ng/mL ED50.
<b>Purity</b>	>95%.
<b>Endotoxin</b>	Endotoxin-free.
<b>Molecular Mass</b>	25 kDa, homodimer, nonglycosylated.
<b>Purity Confirmation</b>	The protein was resolved by SDS polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.
<b>Activity Assay</b>	The specific activity was determined by the dose-dependent inhibition of proliferation of the MPC-11 cell line (mouse plasmocytoma cell line).

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## GENE INFORMATION

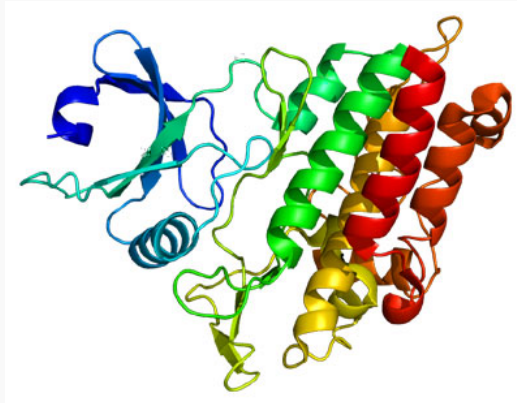
<b>Gene Name</b>	ACVR1B activin A receptor, type IB [ Homo sapiens ]
<b>Synonyms</b>	ACVR1B; activin A receptor, type IB; ALK4; SKR2; ACTRIB; ACVRLK4; ACVR1B; ActRIB; Activin receptor-like kinase 42; Serine/threonine-protein kinase receptor R2; ActRIB; serine(threonine) protein kinase receptor R2
<b>Gene ID</b>	91
<b>mRNA Refseq</b>	NM_004302
<b>Protein Refseq</b>	NP_004293
<b>MIM</b>	601300
<b>UniProt ID</b>	P36896
<b>Chromosome Location</b>	12q13
<b>Pathway</b>	Adherens junction; Chronic myeloid leukemia; Colorectal cancer; Cytokine-cytokine receptor interaction; Endocytosis; MAPK signaling pathway; Pancreatic cancer; Pathways in cancer; TGF-beta signaling pathway
<b>Function</b>	ATP binding; SMAD binding; activin binding; activin receptor activity; activin receptor activity, type I; growth factor binding; metal ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; receptor activity; transferase activity; transmembrane receptor protein serine/threonine kinase activity; ubiquitin protein ligase binding

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