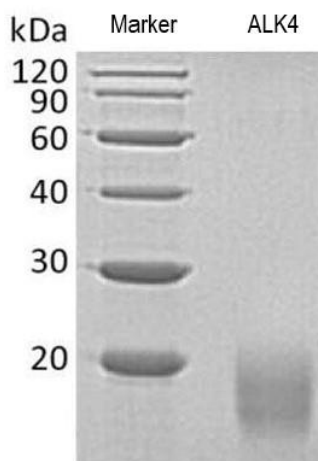


# Human CellExp™ ALK4 / ACVR1B (Active), Human Recombinant

05/21

<b>CATALOG NO:</b>	P1733-10 10 µg P1733-50 50 µg
<b>ALTERNATE NAMES:</b>	Activin A Receptor Type 1B; SKR2; ACVRLK4; ACTR-IB; ACTRIB; ALK-4
<b>MOL. WT.</b>	12.5 kDa calculated; 18 kDa observed
<b>NCBI GENE ID:</b>	91
<b>ACCESSION NO.:</b>	P36896
<b>ENDOTOXIN:</b>	< 1.0 EU per µg as determined by the LAL method
<b>PURITY:</b>	> 95% by SDS-PAGE
<b>SOURCE:</b>	Human cells
<b>AMINO ACID SEQUENCE:</b>	Ser 24 to Glu 126 with C-terminal 6xHis Tag
<b>ACTIVITY:</b>	Immobilized Human TDGF1-Fc at 10 µg/ml (100 µl/well) can bind Human ACVR1B-His. The ED50 of Human ACVR1B-His is 4.7 µg/ml
<b>FORM:</b>	Lyophilized powder
<b>FORMULATION:</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4
<b>STORAGE CONDITIONS:</b>	Store lyophilized protein at -20 °C or -80 °C. Once reconstituted, aliquot and store at -20 °C or -80 °C. Avoid repeated freeze-thaw cycles.
<b>DESCRIPTION:</b>	Activin A Receptor Type 1B (ACVR1B, also known as ALK4) is a transmembrane serine/threonine kinase that complexes with type-2 activin receptors to transduce activin signaling. Activin signaling is responsible for regulating many physiological and pathological processes including neuronal differentiation and survival, hair follicle development, wound healing, extracellular matrix production, immunosuppression, and carcinogenesis. Mutations in ACVR1B are associated with pituitary tumors and pancreatic cancer.



Human CellExp™ ALK4 / ACVR1B (Active), Human Recombinant was loaded on SDS-PAGE under reducing conditions and visualized with Coomassie blue stain.

## RELATED PRODUCTS:

Human CellExp™ Activin A, Human Recombinant (Cat. No. 6442)  
 Activin B, Human Recombinant (Cat. No. 7112)  
 BMPR1A, Human Recombinant (Cat. No. 4881)  
 Activin A, Human Recombinant (Cat. No. 4724)  
 Human CellExp™ Latent Activin A / INHBA, Human Recombinant (Cat. No. P1078)

**FOR RESEARCH USE ONLY! Not to be used on humans.**