

Active Recombinant Human ACVR1 Protein, His-Fc-tagged

Cat. No. ACVR1-527H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ACVR1 Protein(Met 1-Val 124)(NP_001104537.1) precursor was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-124 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measure by its ability to bind with human BMP2 in a functional ELISA.
Molecular Mass	The recombinant human ALK2/Fc is a disulfide-linked homodimeric Protein after removal of the signal peptide. Each monomer consists of 352 amino acids and predicts a molecular mass of 39.6 kDa. As a result of glycosylation, the rh ALK2/Fc monomer migrates as approximately 40-45 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [ACVR1 activin A receptor, type I \[Homo sapiens \]](#)

Official Symbol [ACVR1](#)

Synonyms

ACVR1; activin A receptor, type I; ACVRLK2; activin receptor type-1; ACVR1A; ALK2; SKR1; activin receptor type I; hydroxyalkyl-protein kinase; activin receptor-like kinase 2; TGF-B superfamily receptor type I; activin A receptor, type II-like kinase 2; serine/threonine-protein kinase receptor R1; FOP; TSRI; ACTRI;

Gene ID [90](#)

mRNA Refseq [NM_001105](#)

Protein Refseq [NP_001096](#)

MIM [102576](#)

UniProt ID [Q04771](#)

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