

# Recombinant Human ACVR1 Protein, His-tagged

**Cat. No.** ACVR1-199H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ACVR1 Protein(Q04771) (Met 1-Val 124) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                              |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-124 aa                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly.                                                                                                                                   |
| <b>Molecular Mass</b>   | The secreted recombinant human ALK2 consists of 114 amino acids and has a calculated molecular mass of 12.8KDa. It migrates as an approximately 17 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1 EU/g as determined by LAL test.                                                                                                                                                                |
| <b>Purity</b>           | > 93 % as determined by SDS-PAGE                                                                                                                                                                   |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.               |
| <b>Reconstitution</b>   | 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.                      |

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## GENE INFORMATION

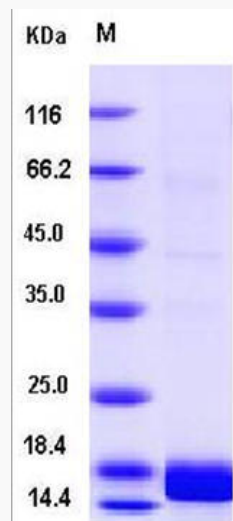
|                        |                                                                                                                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ACVR1 activin A receptor, type I [ Homo sapiens ]                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b> | ACVR1                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 90                                                                                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>     | NM_001105                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_001096                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>             | 102576                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>      | Q04771                                                                                                                                                                                                                                                                                                                      |

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## SDS-PAGE



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