

Recombinant Human ACVR2A Protein, His-tagged

Cat. No. ACVR2A-883H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | Recombinant Human ACVR2A fused with His tag at C-terminal was expressed in HEK293 cells. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | 20-134aa |
| Description | <p>This gene encodes a receptor that mediates the functions of activins, which are members of the transforming growth factor-beta (TGF-beta) superfamily involved in diverse biological processes. The encoded protein is a transmembrane serine-threonine kinase receptor which mediates signaling by forming heterodimeric complexes with various combinations of type I and type II receptors and ligands in a cell-specific manner. The encoded type II receptor is primarily involved in ligand-binding and includes an extracellular ligand-binding domain, a transmembrane domain and a cytoplasmic serine-threonine kinase domain. This gene may be associated with susceptibility to preeclampsia, a pregnancy-related disease which can result in maternal and fetal morbidity and mortality. Alternative splicing results in multiple transcript variants of this gene.</p> |
| Form | Lyophilized from a 0.2 M filtered solution of 20mM PB, 150mM NaCl, pH 7.4 |
| Molecular Mass | 14.35kD |

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|----------------------|--|
| AA Sequence | AILGRSETQECLFFNANWEKDRTNQTGVEPCYGDKDKRRHCFATWKNISGSIEIVKQ GCWLDDINCYDRDCVEKKDSPEVYFCCCEGNMCNEKFSYFPEMEVTQPTSNPVT PKPVDHHHHHHH |
| Endotoxin | Endotoxin level is <0.1 ng/g of protein (<1EU/g). |
| Purity | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

GENE INFORMATION

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|------------------------|---|
| Gene Name | ACVR2A activin A receptor, type IIA [Homo sapiens] |
| Official Symbol | ACVR2A |
| Synonyms | ACVR2A; activin A receptor, type IIA; activin A receptor, type II , ACVR2; activin receptor type-2A; ACTRII; ACVR2; |
| Gene ID | 92 |
| mRNA Refseq | NM_001616 |
| Protein Refseq | NP_001607 |
| MIM | 102581 |
| UniProt ID | P27037 |

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