

Recombinant Human ACVR2A Protein, Fc tagged

Cat. No. ACVR2A-14H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACVR2A Protein with Fc-tag was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	21-134aa
Description	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.
AA Sequence	ILGRSETQECLFFNANWEKDRTNQTGVEPCYGDKDKRRHCFATWKNISGSIEIVKQ GCWLDDINCYDRDCVEKKDSPEVYFCCCEGNMCNEKFSYFPEMEVTQPTSNPVT PKPPTGGGTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDP EVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNK

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ALPVPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWES
NGQPENNYKTTTPVLDSGDSFFLYSKLTVDKSRWQQGNVFSVMHEALHNHYTQ
KSLSLSPGK

Endotoxin < 1.0 EU/μg of the protein as determined by the LAL method.

Purity > 90% as determined by SDS-PAGE

Stability Stable for at least 1 year from receipt of products under proper storage and handling conditions

Storage Store it at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer PBS buffer

GENE INFORMATION

Gene Name ACVR2A activin A receptor, type IIA [Homo sapiens (human)]

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

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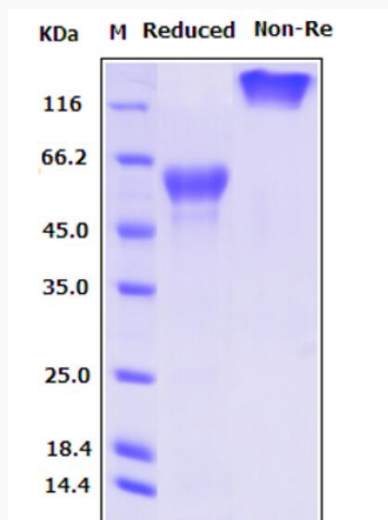
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MIM 102581

UniProt ID P27037

SDS-PAGE



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