

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	<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>
AA Sequence	<pre>ILGRSETQECLFFNANWEKDRTNQTGVEPCYGDKDKRRHCFATWKNISGSIEIVKQ GCWLDDINCYDRDTCVEKKDSPEVYFCCCEGNMCNEKFSYFPEMEVTQPTSNPVT PKPPTGGGHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDP EVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNK</pre>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ALPVPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWES
 NGQPENNYKTTTPVLDSGDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQ
 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

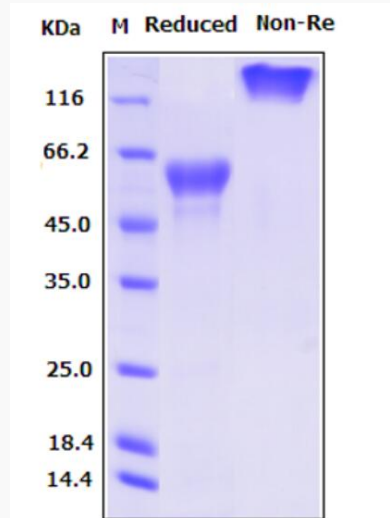
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 102581

UniProt ID P27037

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA