

## Recombinant Human ACVR1C Protein, His tagged

Cat. No. ACVR1C-839H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ACVR1C Protein with C-His tag was expressed in Baculovirus-Insect Cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	135-493 aa
<b>Description</b>	ACVR1C is a type I receptor for the TGFB (see MIM 190180) family of signaling molecules. Upon ligand binding, type I receptors phosphorylate cytoplasmic SMAD transcription factors, which then translocate to the nucleus and interact directly with DNA or in complex with other transcription factors.
<b>Tag</b>	C-His
<b>Molecular Mass</b>	43 kDa
<b>AA Sequence</b>	<p>MACQGRQCSYRKKKRPNVEEPLSECNLVNAGKTLKDLIYDVTASGSGSGLPLLVQR            TIARTIVLQEIVGKGRFGEVWHGRWCGEDVAVKIFSSRDERYWFRFAEIYQTVMLRH            ENILGFIAADNKDNGTWTQLWLWVSEYHEQGSLYDYLNRNIVTMAGMIKLALSISGLA            HLHMEIVGTQGKPAIAHRDIKSKNILVKKCETCAIADLGLAVKHDSILNTIDIPQNPKVG            TKRYMAPEMLDDTMNVNIFESFKRADIYSVGLVYWEIARRCSVGGIVEEYQLPYYDM            VPSDPSIEEMRKVVCDQKFRPSIPNQWQSCEALRVMGRIMRECWYANGAARLTAL            RIKKTISQLCVKEDCKALVPRGSHHHHHHHH</p>

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<b>Purity</b>	> 80% by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Sterile 50mM Tris, pH7.5, 150mM NaCl, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% Glycerol, 500mM Arginine.
<b>Concentration</b>	0.75 mg/mL by Bradford

## GENE INFORMATION

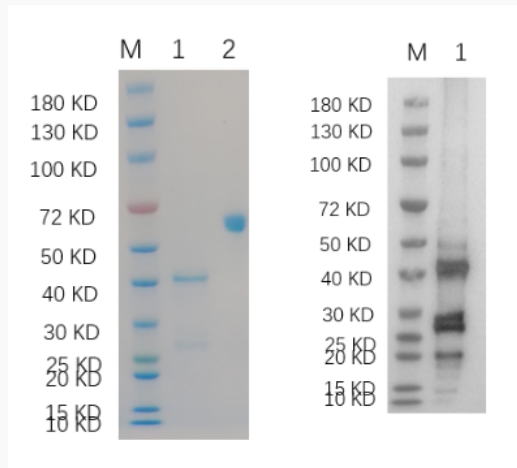
<b>Gene Name</b>	<a href="#">ACVR1C activin A receptor type 1C [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">ACVR1C</a>
<b>Synonyms</b>	ACVR1C; activin A receptor, type IC; activin receptor type-1C; ACVRLK7; ALK7; ALK-7; ACTR-IC; activin receptor type IC; activin receptor-like kinase 7;
<b>Gene ID</b>	<a href="#">130399</a>
<b>mRNA Refseq</b>	<a href="#">NM_001111031</a>
<b>Protein Refseq</b>	<a href="#">NP_001104501</a>
<b>MIM</b>	<a href="#">608981</a>
<b>UniProt ID</b>	<a href="#">Q8NER5</a>

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**Reducing 4%-20%  
SDS-PAGE (CBB  
stained) and WB  
(Anti-His Mouse  
Monoclonal  
Antibody) analysis  
profiles of purified  
ACVR1C.**



1. ACVR1C: 1  $\mu$ g
2. BSA: 1  $\mu$ g

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