

Recombinant Full Length Human ACVR1C Protein, Flag Tagged

Cat. No. ACVR1C-1019 Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Homo sapiens activin A receptor, type IC (ACVR1C), transcript variant 4 with C-Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	1-493aa
Description	ACVR1C is a type I receptor for the TGFB 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.
Tag	C-Flag
Molecular Mass	37.3 kDa
AA Sequence	MTRALCSALRQALLLLAAAAELSPGLKCVCLLCDSSNFTCQTEGACWASVMLTNGK EQVIKSCVSLPELNAQVFCHSSNNVTKTECCFTDFCENNITLHLPTDNGTWTQLWLVS EYHEQGSLYDYLNRNIVTVAGMIKLALSISGLAHLHMEIVGTQGKPAIAHRDIKSKNI LVKKCETCAIADLGLAVKHDSILNTIDIPQNPVKVGTKRYMAPEMLDDTMNVNIFESFK RADIYSVGLVYWEIARRCSVGGIVEEYQLPYYDMVPSDPSIEEMRKVVCDQKFRPSI PNQWQSCEALRVMGRIMRECWYANGAARLTALRIKKTISQLCVKEDCKATRTRPLE

 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

QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Notes For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Storage Buffer 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Concentration > 0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

Gene Name [ACVR1C activin A receptor type 1C \[Homo sapiens \(human\) \]](#)

Official Symbol [ACVR1C](#)

Synonyms ACVR1C; activin A receptor type 1C; ALK7; ACVRLK7; activin receptor type-1C; ACTR-IC; ALK-7; activin A receptor, type IC; activin receptor type IC; activin receptor-like kinase 7; EC 2.7.11.30

Gene ID [130399](#)

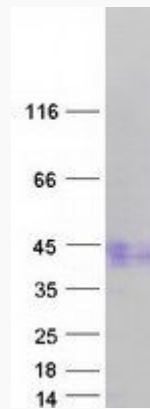
mRNA Refseq [NM_001111033](#)

Protein Refseq [NP_001104503](#)


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MIM 608981**UniProt ID** Q8NER5**SDS-PAGE**

Coomassie blue staining of purified ACVR1C protein. The protein was produced from HEK293T cells transfected with ACVR1C cDNA clone using MegaTran 2.0.

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