

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 EQVIKSCVSLPELNAQVFCHSSNNVTKTECCFTDFCNNITLHLPTDNGTWTQLWLVS EYHEQGSLYDYLNRNIVTVAGMIKLALSISGLAHLHMEIVGTQGKPAIAHRDIKSKNI LVKKCETCAIADLGLAVKHDSILNTIDIPQNPVKGTKRYMAPEMLDDTMNVNIFESFK RADIYSVGLVYWEIARRCSVGGIVEEYQLPYYDMVPSDPSIEEMRKVVCDQKFRPSI PNQWQSCEALRVMGRIMRECWYANGAARLTALRIKKTISQLCVKEDCKATRTRPLE

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	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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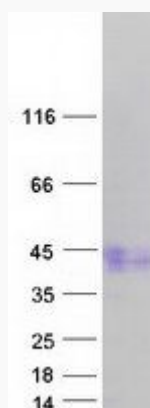
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MIM 608981

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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