

Recombinant Human ACVR1C Protein, GST-tagged

Cat. No. ACVR1C-252H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ACVR1C full-length ORF (AAH22530.1, 1 a.a. - 493 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	1-493aa
Description	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 (Bondestam et al., 2001 [PubMed 12063393]).[supplied by OMIM, Mar 2008]
Molecular Mass	79.97 kDa
AA Sequence	MTRALCSALRQALLLLAAAAELSPGLKCVLLCDSSNFTCQTEGACWASVMLTNGK EQVIKSCVSLPELNAQVFCHSSNNVTKTECCFTDFCENNITLHLPTASPNAPKLGPM LAIITVPVCLLSIAAMLTWACQGRQCSYRKKRPNVEEPLSECNLVNAGKTLKDLIY DVTASGSGSGLPLLVQRTIARTIVLQEIVGKGRFGEVWHGRWCGEDVAVKIFSSRDE RYWFREAIEIYQTVMLRHENILGFIAADNKDNGTWTQLWLWVSEYHEQGSLYDYLNRNI VTMAGMIKLALSASGLAHLHMEIVGTQGKPAIAHRDIKSKNILVKKCETCAIADLGLAV KHDSILNTIDIPQNPVKVGTKRYMAPEMLDDTMNVNIFESFKRADIYSVGLVYWEIARR CSVGGIVEEYQLPYYDMVPSDPSIEEMRKVVCDQKFRPSIPNQWQSCEALRVMGRI

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MRECWYANGAARLTALRIKKTISQLCVKEDCKA

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ACVR1C activin A receptor, type IC [Homo sapiens]

Official Symbol

ACVR1C

Synonyms

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;

Gene ID

130399

mRNA Refseq

NM_001111031

Protein Refseq

NP_001104501

MIM

608981

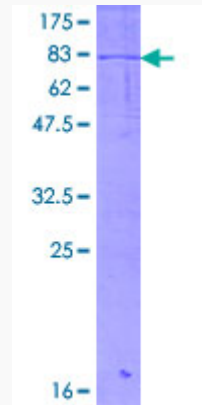
UniProt ID

Q8NER5

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12.5% SDS-PAGE Stained with Coomassie Blue.

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