

Recombinant Full Length Human ACVR1C Protein, GST-tagged

Cat. No. ACVR1C-829HF **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	In Vitro Cell Free System
ProteinLength	493 amino acids
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	MTRALCSALR QALLLLAAAA ELSPGLKCVC LLCDSNFTC QTEGACWASV MLTNGKEQVI KSCVSLPELN AQVFCHSSNN VTKTECCFTD FCNNITLHLP TASPNA PKLG PMELAIITV PVCLLSIAAM LTVWACQGRQ CSYRKKKRPN VEEPLSECNL VNAGKTLKDL IYDVTASGSG SGLPLL VQRT IARTIVLQEI VGKGRFGEVW HGRWCGEDVA VKIFSSRDER YWFREAEIYQ TVMLRHENIL GFIAADNKDN GTWTQLWLVS EYHEQGS LYD YLNRNIVTMA GMIKLALSIA SGLAHLHMEI VGTQ GKPAIA HRDIKSKNIL VKKCETCAIA DLGLAVKHDS

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ILNTIDIPQN PKVGTKRYMA PEMLDDTMNV NIFESFKRAD IYSVGLVYWE
IARRCSVGGI VEEYQLPYD MVPSDPSIEE MRKVCDQKF RPSIPNQWQS
CEALRVMGRI MRECWYANGA ARLTALRIKK TISQLCVKED CKA

Applications

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

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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