

Recombinant Human ALK7, GST-tagged

Cat. No. ALK7-3271H Lot. No. (See product label)

SPECIFICATION

Product Overview	ALK7
Species	Human
Source	Sf9 Cells
ProteinLength	3267
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.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~68 kDa
Applications	Western Blot (WB)
Notes	Small volumes of ALK7 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

 Tel: 1-631-559-9269 1-516-512-3133

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Storage Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Warning This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name ACVR1C activin A receptor, type IC [Homo sapiens]

Official Symbol ACVR1C

Synonyms ALK7; ACVRLK7; activin receptor type-1C; 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

Chromosome Location 2q24.1

Pathway Developmental Biology, organism-specific biosystem; Regulation of Signaling by NODAL, organism-specific biosystem

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Function	ATP binding; metal ion binding
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