Recombinant Mouse Acvr1c Protein, Myc/DDK-tagged

Cat. No. Acvr1c-1523M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length activin A receptor, type IC (Acvr1c), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
ProteinLength	1-493aa
Description	Serine/threonine protein kinase which forms a receptor complex on ligand binding. The receptor complex consisting of 2 type II and 2 type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators, SMAD2 and SMAD3. Receptor for activin AB, activin B and NODAL. Plays a role in cell differentiation, growth arrest and apoptosis.
Molecular Mass	41.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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 after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Acvr1c activin A receptor, type IC [Mus musculus (house mouse)]
Official Symbol	Acvr1c
Synonyms	ACVR1C; activin A receptor, type IC; activin receptor type-1C; ACTR-IC; activin receptor type IC; activin receptor-like kinase 7; ALK7; Alk-7; ACVRLK7; C230097P10
Gene ID	269275
mRNA Refseq	NM_001033369
Protein Refseq	NP_001028541
UniProt ID	Q3V348

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