

Product datasheet for **RC225725L3V**

Activin A Receptor Type IC (ACVR1C) (NM_001111031) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Activin A Receptor Type IC (ACVR1C) (NM_001111031) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ACVR1C
Synonyms:	ACVRLK7; ALK7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001111031
ORF Size:	1329 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC225725).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001111031.1 , NP_001104501.1
RefSeq ORF:	1332 bp
Locus ID:	130399
UniProt ID:	Q8NER5
Cytogenetics:	2q24.1
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane



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Protein Pathways: Adherens junction, Chronic myeloid leukemia, Colorectal cancer, Endocytosis, MAPK signaling pathway, Pancreatic cancer, Pathways in cancer, TGF-beta signaling pathway

MW: 49.5 kDa

Gene Summary: 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]