

## Product datasheet for **MG216726**

### **Acvr1c (NM\_001033369) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Acvr1c (NM\_001033369) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Acvr1c  
**Synonyms:** ACTR-IC; ACVRLK7; Alk-7; ALK7; C230097P10  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG216726 representing NM\_001033369  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTAACCAACGGAAAGAGCAGGTGATCAAATCGTGTGTGCCCTCCCGAACTAAATGCTCAGGTCT  
TCTGTCACAGTTCCAACAACGTGACCAAAACCGAATGTTGCTTACAGACTTCTGCAACAATATCACACT  
GCACCTTCCACAGGTCTGCCTCTTTGGTTCAAAGAACAATCGCAAGGACAATTGTACTTCAAGAAATC  
GTAGGAAAAGGTCGGTTTGGGAAAGTGTGGCACGGAAGATGGTGTGGAGAAGATGTGGCTGTGAAAATAT  
TCTCCTCCAGGGATGAGAGATCTTGGTTCGGTGTGGCGGAAATTTATCAGACGGTGTGCTGAGACACGA  
GAACATCCTCGGTTTCATCGCAGCTGACAACAAAGATAATGGAACCTGGACACAACCTCTGGCTTGTGTCA  
GAGTATACGAGCAGGGCTCCTTGTATGACTATTTGAACAGAAACATAGTGACTGTGGCTGGAATGGTCA  
AGCTGGCGCTTTCCATAGCGAGTGGTCTGGCTCACCTGCACATGGAGATCGTGGGTAAGGTAAGCC  
TGCTATTGCTCACCGAGATATAAAGTCAAAGAATATCCTAGTCAAAAAATGTGACACTTGTGCCATAGCT  
GACTTAGGGCTGGCTGTGAAGCAGATTCTATCATGAACACTATAGACATACCCAGAACTCTAAAGTGG  
GAACCAAGAGGTACATGGCTCCCGAAATGCTTGATGATACAATGAACCTGAGCATCTTTGAGTCTTCAA  
GCGAGCTGACATCTATTCGGTGGGGCTGGTTTACTGGGAAATAGCTCGAAGGTGTTTCAGTTGGAGGAGTT  
GTTGAGGAGTACCAGTTGCCTTACTATGACATGGTGCCTTCAGATCCTTCGATAGAAGAAATGAGGAAGG  
TTGTCTGTGATCAGAACTCCGACCAAATCTCCAAACCAAGCTGGCAAGCTGTGAAGCGCTGCGGGTTCAT  
GGGAAGAATAATGCGTGAGTGCTGGTACGCCAACGGGGCAGCACGCTGACAGCCCTGCGGTGAAGAAG  
ACCATCTCCAGCTGTGTGTCAAGGAAGACTGTAAGCT

**ACCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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<b>ORF Size:</b>	1089 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001033369.3</a> , <a href="#">NP_001028541.1</a>
<b>RefSeq Size:</b>	8666 bp
<b>RefSeq ORF:</b>	1092 bp
<b>Locus ID:</b>	269275
<b>Cytogenetics:</b>	2 C1.1
<b>Gene Summary:</b>	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.[UniProtKB/Swiss-Prot Function]