

Product datasheet for **RG227521**

AKIRIN1 (NM_001136275) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AKIRIN1 (NM_001136275) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: AKIRIN1
Synonyms: C1orf108; STRF2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG227521 representing NM_001136275
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTGCAGGGCGACGCTGAAGCGGCCATGGAGTTCGAGGCGGCGCTGCTGAGCCCCGGCTCCCCGA
AGCGGGCGGCTGCGCCCTCTGCCGGCCCACTCCGGGCTCAGGCCCGGACGCCGAGCCGCCGCC
GCCGTTTCAGACGACACCCACCGCAGAGTCTGCAGCAGCCCGCCCGCCGCGAGCGAGCGGCGCCTT
CCAACCTCCGAGCAAATTTTTCAGAACATAAAACAAGAATATAGTCGTTATCAGAGGTGGAGACATTTAG
AAGTTGTTCTTAATCAGAGTGAAGCTTGTGCTTCGAAAGTCAACCTCACTCCTCAGCACTCACAGCACC
TAGCTCTCCAGAACAATATGAATCTTTGTGAAATTCACACATGATCAGATTATGCGACGGTATGGACA
AGGCCAACAAAGCTATGTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG227521 representing NM_001136275
Red=Cloning site Green=Tags(s)

MACGATLKRPMEFEAALLSPGSPKRRRCAPLPGPTPGLRPPDAEPPPPFQTQTPPQSLQQPAPPGSERRL
PTPEQIFQNIKQEYSRYQRWRHLEVVLNQSEACASESQPHSSALTAPSSPEQYESFVKFTHDQIMRRYGT
RPTSYSV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001136275.1, NP_001129747.1</u>
RefSeq Size:	2591 bp
RefSeq ORF:	444 bp
Locus ID:	79647
UniProt ID:	<u>Q9H9L7</u>
Cytogenetics:	1p34.3
Gene Summary:	Functions as signal transducer for MSTN during skeletal muscle regeneration and myogenesis. May regulates chemotaxis of both macrophages and myoblasts by reorganising actin cytoskeleton, leading to more efficient lamellipodia formation via a PI3 kinase dependent pathway.[UniProtKB/Swiss-Prot Function]