

## Product datasheet for MC224138

### Ulk4 (NM\_177589) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ulk4 (NM_177589) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ulk4
Synonyms:	4932415A06Rik; A730098P15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224138 representing NM_177589 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAACTTCGCTTGTATGAGGAGATTGGCAGAGGAAGCAGGACTGTCGTATATAAGGGGCGCCGGA  
AAGGAACCATCACTTTGTAGCCATCCTTTGACTGAGAAGTGCAAACGGCCTGAAATAACCAACTGGGT  
CCGCCTCACCCATGAAATAAACACAGAACATTGTAACTTTTACAGAGTGGTACGAGACCAGCAATCAT  
CTCTGGTTGGTGGAGCTTTGCACAGGTGGTCTCTAGAAACCGTGATTGCTCAGGACGAAAACCTCC  
CAGAAGATGTCGTGAGAGAGTTTGGGGTGGACCTGGTCACAGGGCTGCACCATCTCCACAGGCTGGGCAT  
CCTCTTTTGTGACCTTTCTCCTGGGAAGATTCTCTTGGAAAGGGCCTGGAACACTGAAGTTTCAGCAATTT  
TGCCCTGGCCAAGGTGGCAGGGGAGAGTCTGGAGGAGTTCTTTGCTTTGGTGGCAGCAGAAGAAGGAGGTG  
GTGACAGTGGAGAGAACGCACTGAAGAAAAGCATGAAGACCCGAGTCAGAGGCTCTCTGATCTATGCGGC  
TCCGGAATCGTGAAGGGGACTGAATTTCCGTTACCAGTGACCTCTGGTCTTTGGGCTGTCTACTTTAT  
GAAATGTTTTAGGGAACCCCAATTCTCTCAGAAACGGTGTGAGAAGTCTGTATG  
AAGACCCATTGCCACCAATCCAAAAGACTTTCATTCCCAAAGCATCCTCAGATTTCCTTAACTTGCT  
GGACGGATTGCTGAGAAGGATCCTCAGAAAAGATTCTCCTGGGAGGGAGTTCTGCAGCACCCATTCTGG  
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GGCAGCTCATCGGCTCAGCCAGTCTTTAGGCTAGAAAACCAACTGAGCTGAGGCCAAGAGCATCATG  
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AATTAATCCTGGTGAGGGTGGAGACCCAGCTCACCTCAGAAGACTTCTCCCTTATCCAAGATGACAAG  
CGGGCACCTGAGCCAGGGGGCCCTGGAGTCCCAGATGAGAGAGCTGATCTACACGGACTCGGATCTTGTG  
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ACCTACCAGCATATTCTGTGGAGAAGTTGCTGGTCTCAAGGACCAAGACTGGAATGACTTCTGCAGCA  
GGTGTGCTCCAGATCGACTCCAGCGAGAAGAGCACAGGGGCGCTGCGGGCCAAGCTGAACCTCCTGTGC



TACCTGTGTGGTGGCCACGCACAAGGAGGTGGCCACCAGGCTGCTTCACTCCCCGCTGTTCCAGTTGC  
 TAATCCAGCACCTGCGGATAGCTCCTAACTGGGATATACGGTCCAAGGTTGCTCGGGTGGTGGCATGCT  
 GGCCTTGACACAACCGAACTTCAGGAAAATGTGCCTGTTATCGAGGCGATCACACTCTTAACTGAATTA  
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 AATGTTTTGACGACGTTTTCTGCCAGGGCAGGGTTCACAACCGGGGAGATTGGCCTGCTGTGGC  
 ACCTCTTTAGACACTCCACCGTGGACGCCCTGCGGATAACCGCGATATCGGCCCTGTGCAGGATCACAG  
 GCACTCTCCACCCTCCAGAATGTCATCGAGAAGGTGGGTCTCAATGCAGTCATCAGCTCCCTGGCC  
 TCTGCCATCTGCAAAGTGCAGCAGTACATGCTGACCCTGTTACAGCCATGCTGTCTGTGGATTATC  
 TCCAGCGCTGATCCAAGAGAAGGACTTCGTCTTACAGTCATCCGCTTACTTGATAGTCCGCTCCACTCC  
 CATCAGAGCCAAAGCCTTCTGGTGTGCTGTACATCTTGATTATAACCGGGACATGCTGTGCTGAGC  
 TGCCAAGCCAGGCTGGTGTGATGTACATCGAGAGAGACAGCAGAAAGACCTCCCGAGCAAGGAGCAGAGA  
 GTGGGAATGAGTACCTGGCCAGGTGCCTGGACCTCCTCATCCAGCACATGGTACAGGAGCCACTCGGAT  
 CCTAGGCGACATTCTAACGCCCTGGCAAACGTGTCCGGCCGGAAGCACCATCCACGGTCCAGGGGAAG  
 CAGCTGAAGATGTGTCTCCCATGATGCCTGTGGTGTTCACCTGGTGTGTACAGGATTTTCGACCTC  
 AAGTTGTGACAGAAGAGTTTCTTTCAGCTACGGAATTTCTTAGTCACATTAAGTCAATTGACTTGGG  
 GAAACGAAATAGACGGAGCCATAGGCATCGTGGCATCTGAGGAGTTTATCAAGGTCACCTGTGGCA  
 TTCGAAGCAGTGATCCAGTACCCGGTCTGCTGGCCGACTACCGCTCGACGGTATGATTATATTTTGC  
 CGCCCTTGGTCTCCTTGGTTCAAAGCCAGAATGTGGAATGGAGACTTTCAGCTTGGCGTTGCTCTCAGA  
 GACCACAACCTGCTGGTGGCCAGGAGCCGGAGGACGGTGTGAAGAGGCCAGTTGCGATTCTGACAGC  
 AGTCTTGGCGCTCATCAGAGATGAGCTGTACCCAGTATGAGCACATCCTCATGGAGCCTGACCCCG  
 TTCCTGCCTATGCGCTGAAGCTGCTGTGCGCATGACGGAACACAACCCCGCTTTCACAGGCTTGTGGA  
 AGAAAGCAAACCTGGTCCCGCTCATTTTTGAAGTAATTTTGGAGCATCAGGAGAGCATTCTGGGTAATACC  
 ATGCAGAGTGTGATTGCGTTGCTCAACAATCTGGTTGCCTACAAAGACTCAAACATGCAGCTGCTTTATG  
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 TAAAACCAACACGGAGCCGGCTCCACTGCTGGCCTCCTGCTCGACATCCTACTGGGCATGCTGACC  
 TACACTTCTCGAATCGTCCGGCAGGCTTTCAGGTCCAGAAGTCAGGCTCAAGAGGGACACACAGGCTG  
 CAGAGGACCTGCTGCTTCTCAGCAAACCACTCACAGACCTCATCAGCCTGCTTATCCACTGCTTCCCAG  
 CGAGGACCCTGAGATCTCCGAGGTCTCATCAAGTGCCTGTCCATCCTGGTGCAGCTGTATGGAGGCGAG  
 AACCCCGAGAGCTTGTCCCAGAGAACATGGTGCCTTTGCCAACCTCCTGATGACCAAGGAGGACCCCA  
 AGGACCAGAAGCTTCTGCTGAGGATCCTCAAGAGGATGGTAACGTCCAATGAGAGGCTCTTGGAAAGCCT  
 CAAGAACACCGGACGCTTCTGCAGGCCCTGGAGCGCCTGGCTCCAGCTCACAGCTCACCCGTCGACACT  
 ATCGTGGCTTCTTGGCCCTGGAACCTCCAGGCAGTTGGGCATTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
 ACCN: NM\_177589  
 Insert Size: 3828 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_177589.3</a> , <a href="#">NP_808257.2</a>
<b>RefSeq Size:</b>	4093 bp
<b>RefSeq ORF:</b>	3828 bp
<b>Locus ID:</b>	209012
<b>UniProt ID:</b>	<a href="#">Q3V129</a>
<b>Cytogenetics:</b>	9 F4
<b>Gene Summary:</b>	May be involved in the remodeling of cytoskeletal components, such as alpha-tubulin, and in this way regulates neurite branching and elongation, as well as cell motility.[UniProtKB/Swiss-Prot Function]