

Product datasheet for **SC108694**

ULK4 (NM_017886) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ULK4 (NM_017886) Human Untagged Clone
Tag:	Tag Free
Symbol:	ULK4
Synonyms:	FAM7C1; REC01035
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_017886 edited
 ATGAAAACTTTATTCTGTATGAGGAGATCGGAAGAGGAAGCAAGACTGTTGTCTATAAA
 GGGCGACGGAAGGGAACAATCAATTTTGTAGCCATTCTTTGACTGATAAGTGCAGAAGG
 CCTGAAATAACCAACTGGGTCCGTCTCACCCGTGAAATAAAACACAAGAATATTGAACT
 TTTTCATGAATGGTATGAAACAAGCAACCACCTCTGGCTAGTGGTGAAGTCTGCACAGGT
 GGTTCCCTAAAAACAGTTATTGCTCAAGATGAAAACCTCCAGAAGATGTTGTGAGAGAA
 TTTGGAATTGACCTGATTAGTGGATTACATCATCTTCATAAACTTGGCATTCTCTTTTGT
 GACATTTCTCCTAGGAAGATACTCTTGAAGGGCCTGGCACACTGAAGTTTAGCAACTTT
 TGCTTGGCAAAAGTGGAAGGTGAAAATTTGGAAGAGTTCTTTGCTTTGGTGGCAGCAGAG
 GAAGGAGGAGGTGATAATGGGGAAAATGTCTGAAGAAAAGCATGAAAAGTAGAGTCAAA
 GGATCTCCTGTATACAGCACCAGAAGTTGTGAGGGGTGCTGACTTTTCCATCTCCAGT
 GACCTCTGGTCTTTGGGCTGTCTGCTTTATGAAATGTTTTTCAGGAAAACCTCCATTCTTC
 TCAGAAAGTGTTCAGAATTAAGTAAAAGATCTTATGTGAAGATCCTTTGCCACCTATT
 CCGAAAGATTCTCTCGTCTAAAGCTTCTTCAGATTTTATTAATTTGCTTGATGGGTTA
 CTTCAAAGAGATCCTCAGAAAAGATTGACTTGGACAAGGCTACTGCAGCATTCAATTTGG
 AAGAAAAGCTTTTCTGGAGCAGATCAGGAATCAAGCGTCGAAGATCTCAGTCTCAGCAGA
 AACACTATGGAGTGTTCTGGGCCACAAGATTCCAAGGAGCTTTTGCAGAACTCTCAGAGT
 AGACAAGCAAAAGGGCACAAAGAGTGGTCAACCACTAGGTCACCTTTTCCAGACTAGAAAAT
 CCAACTGAGTTTTCGGCCTAAGAGTACTCTTGAGGGTCAATTGAATGAATCCATGTTTCTT
 CTCAGTTCTCGTCTACTCCAGAAGTACTGCAGTGGAAAGTAAAGTCTGGTGGAGGAT
 ATGACTCACTGTTCAACACAGAAGACTTCTCCTCTGACCAAGATTACAAGTGGACACCTG
 AGTCAGCAGGACCTGGAATCCAGATGAGAGAGCTTATCTACACGGACTCAGATCTTGTT
 GTCACCCCAATTATCGACAATCCAAAGATAATGAAACAGCCACCAGTTAAATTTGATGCA
 AAAATATTGCATCTACCAACATATTCAGTGGATAAGTTATTATTCTGAAAGATCAAGAT
 TGAATGACTTTTTGCAACAAGTGTCTCGCAGATCGACTCCACTGAGAAGAGCATGGGG
 GCCTCCCGAGCCAAGCTGAATCTCCTTTGCTATTTGTGCGTGGTGGTCCACCAGGAG
 GTGGCCACCAGGCTCCTCCATTCCTCCCTGTTCCAATTGCTAATCCAGCATTTGCGGATA
 GCTCCAAACTGGGATACGGGCCAAGGTTGCTCACGTGATTGGTTTACTGGCTTCGCAC
 ACAACTGA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_017886 unedited
 TGTTACTATTTTGAATACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGGGACT
 CTTTTCTTGACTTAGCTACCAGGAGCTAGAGATGCTGTTATTCTATCGTATGTGAGAAGT
 CGGCCAGAGATGGAAAACCTTTATTCTGTATGAGGAGATCGGAAGAGGAAGCAAGACTGT
 TGTCTATAAAGGGCGACGGAAGGGAACAATCAATTTTGTAGCCATTCTTTGACTGATAA
 ATTTGAACTTTTCATGAATGGTATGAAACAAGCAACCACCTCTGGCTAGTGGTGAAGT
 CTGCACAGGTGGTTCCTTAAAAACAGTTATTGCTCAAGATGAAAACCTCCAGAAGATGT
 TGTGAGAGAATTTGGAATTGACCTGATTAGTGGATTACATCATCTTCATAAACTTGGCAT
 TCTTTTTGTGACATTTCTCCTAGGAAGATACTCTTGAAGGGCCTGGCACACTGAAGTT
 TAGCAACTTTTGTGGCAAAAGTGGAAGGTGAAAATTTGGAAGAGTTCTTTGCTTTGGT
 GGCAGCAGAGGAAGGAGGAGGTGATAATGGGGAAAATGTCTGAAGAAAAGCATGAAAAG
 TAGAGTCAAAGGATCTCCTGTATACAGCACCAGAAGTTGTGAAGAGTGTGACTTTTC
 CATCTCCAGTGACCTCTGGCCTTTGGGCTGTCTGGCTTATGAAATGTTTTCAGGAAAACC
 TCCATTCTCTCAGAAAGTGGTTCAGAATTAAGTAAAAGATCTATGTGAAGATCCTTTG
 CCCTATTCCGAAGAATCTTTCTGCTAAAACCTTTTAGATTTTATTAATTGCTTGATGG
 GTTACTCTAAAGAGATCCTCACAA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_017886 unedited GCGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTAAATGCTGATACAGTTTTATT TATTTTGAATATTTGTCAAGTATCTATACATACACAAGGCACTGTCTAGGCACTGGAGTG GAGTGTTGAACAAGACAGTTCAAATCCCGATTCCAATGGAGCTTGTAGTCTCAACAACA GGTGTATTTTCTGGAGCTCAGTTGTGTGCGAAGCCAGTAAACCAATCACGTGAGCAACC TTGGCCCGTATATCCCAGTTTGGAGCTATCCGCAAATGCTGGATTAGCAATTGGAACAGG GGGGAATGGAGGAGCCTGGTGGCCACCTCCTGGTGACCAGCCACGCACAAATAGCAA AGGAGATTCAGCTTGGCTCGGGAGGCCCCATGCTCTTCTCAGTGGAGTGCATCTGCGAG CACACTTGTGCAAAAAGTCATTCCAATCTTGATCTTTCAGAAATAATAACTTATCCACT GAATATGTTGGTAGATGCAATATTTTTGCATCAAATTTAACTGGTGGCTGTTTCATTATC TTTGGATTGTCGATAATGGGGGTGACAACAAGATCTGAGTCCGTGTAGATAAGCTCTCTC ATCTGGGATTCCAGGCTCTGCTGACTCAGGTGTCCACTTGTAACTTGGTCAGAGGAGAA GTCTTCTGTGGTGAACAGTGAGTCATATCCTCACCAGNACTTACTTCCACTGCAGTGCTA GTTCTGGGAGTANGACGAGAAGTGAAGAACATGGATTCAATTCANTTGACCCTCCAGAG TACTCTTTAGCCGAAGTCAAGTTGGATTCTAGCCTGAAAGAGGACCTANTGGTTGACCA CTCTTGGCCCTTTGCTGNCTATCTGANAGTCTGCAAAAAGCTCTTGAAATCTGTGCCAN AACCTCCATATGTTTTGCTGAACTGAACTTCC
Restriction Sites:	NotI-NotI
ACCN:	NM_017886
Insert Size:	1960 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_017886.1</u> , <u>NP_060356.1</u>
RefSeq Size:	2581 bp
RefSeq ORF:	1629 bp
Locus ID:	54986
UniProt ID:	<u>Q96C45</u>
Cytogenetics:	3p22.1
Domains:	pkinese, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

Gene Summary:

This gene encodes a member of the unc-51-like serine/threonine kinase (STK) family. Members of this protein family play a role in neuronal growth and endocytosis. The encoded protein is likely involved in neurite branching, neurite elongation and neuronal migration. Genome-wide association studies (GWAS) indicate an association of variations in this gene with blood pressure and hypertension. Sequence variations in this gene may also be associated with psychiatric disorders, including schizophrenia and bipolar disorder. Pseudogenes associated with this gene have been identified and are located on chromosome 15. [provided by RefSeq, Jul 2016]