OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC315091

KIDINS220 (AL133620) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: KIDINS220 (AL133620) Human Untagged Clone

Tag: Tag Free

Symbol: KIDINS220

Synonyms: ARMS

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for AL133620, the custom clone sequence may differ by one or more nucleotides

ATGTCAGTTTTGATATCACAGAGCGTCATAAATTATGTAGAGGAAGAAAACATTCCTGCT
CTGAAAGCTCTTCTTGAAAAATGCAAAGATGTAGATGAGAGAAATGAGTGTGGCCAGACT
CCACTGATGATAGCTGCCGAACAAGGCAATCTGGAAATAGTGAAGGAATTAATTAAGAAT
GGAGCTAACTGCAATCTGGAAGATTTGGATAATTGGACAGCACTTATATCTGCATCGAAA
GAAGGGCATGTGCACATCGTAGAGGAACTACTGAAATGTGGGGTTAACTTGGAGCACCGT
GATATGGGAGGATGGACAGCTCTTATGTGGGCATGTTACAAAGGCCGTACTGACGTAGTA
GAGTTGCTTCTTTCTCATGGTGCCAATCCAAGTGTCACTGGTCTGCAGTACAGTGTTTAC
CCAATCATTTGGGCAGCAGGGAGAGGCCATGCAGATATAGTTCATCTTTTACTGCAAAAT
GGTGCTAAAGTCAACTGCTCTGATAAGTATGGAACCACCCCTTTAGTTTGGGCTGCACGA
AAGGGTCATTTGGAATGTGTGAAACATTTATTGGCCATGGGAGCTGATGTGGATCAAGAA
GGAGCTAATTCAATGACTGCACTTATTGTGGCAGTGAAAGGAGGTTACACACAGTCAGTA
AAAGAAATTTTGAAGAGGAATCCAAATGTAAACTTAACAGATAAAGATGGAAATACAGCT
TTGATGATTGCATCAAAGGAGGGACATACGGAGATTGTGCAGGATCTGCTCGACGCTGGA
ACATATGTGAACATACCTGACAGGAGTGGGGATACTGTGTTGATTGGCGCTGTCAGAGGT
GGTCATGTTGAAATTGTTCGAGCGCTTCTCCAAAAATATGCTGATATAGACATTAGAGGA
CAGGATAATAAAACTGCTTTGTATTGGGCTGTTGAGAAAGGAAATGCAACAATGGTGAGA
GATATCTTACAGTGCAATCCTGACACTGAAATATGCACAAAGGATGGTGAAACGCCACTT
ATAAAGGCTACCAAGATGAGAAACATTGAAGTGGTGGAGCTGCTGCTAGATAAAGGTGCT
AAAGTGTCTGCTGTAGATAAGAAAGGAGATACTCCCTTGCATATTGCTATTCGTGGAAGG
AGCCGGAAACTGGCAGAACTGCTTTTAAGAAATCCCAAAGATGGGCGATTACTTTATAGG
CCCAACAAAGCAGGCGAGACTCCTTATAATATTGACTGTAGCCATCAGAAGAGTATTTTA
ACTCAAATATTTGGAGCCAGACACTTGTCTCCTACTGAAACAGACGGTGACATGCTTGGA
TATGATTTATATAGCAGTGCCCTGGCAGATATTCTCAGTGAGCCTACCATGCAGCCACCC
ATTTGTGTGGGGTTATATGCACAGTGGGGAAGTGGGAAATCTTTCTTACTCAAGAAACTA
GAAGACGAAATGAAAACCTTCGCCGGACAACAGATTGAGCCTCTCTTTCAGTTCTCATGG
CTCATAGTGTTTCTTACCCTGCTACTTTGTGGAGGGCTTGGTTTATTGTTTGCCTTCACG
GTCCACCCAAATCTTGGAATAGCAGTGTCACTGAGCTTCTTGGCTCTCTTATATATATTC
TTTATTGTCATTTACTTTGGTGGACGAAGAGAAGGAGAGAGTTGGAATTGGGCCTGGGTC
CTCAGCACTAGATTGGCAAGACATATTGGATATTTGGAACTCCTCCTTAAATTGATGTTT

View online »

GTGAATCCACCTGAGTTGCCAGAGCAGACTACTAAAGCTTTACCTGTGAGGTTTTTGTTT
ACAGATTACAATAGACTGTCCAGTGTAGGTGGAGAAACTTCTCTGGCTGAAATGATTGCA
ACCCTCTCGGATGCTTGTGAAAGAGAGTTTGGCTTTTTGGCAACCAGGCTTTTTCGAGTA
TTCAAGACTGAAGATACTCAGGGTAAAAAGAAATGGAAAAAAACATGTTGTCTCCCATCT
TTTGTCATCTTCCTTTTTATCATTGGCTGCATTATATCTGGAATTACTCTTCTGGCTATA
TTTAGAGTTGACCCAAAGCATCTGACTGTAAATGCTGTCCTCATATCAATCGCATCTGTA
GTGGGATTGGCCTTTGTGTTGAACTGTCGTACATGGTGGCAAGTGCTGGACTCGCTCCTG
AATTCCCAAAGAAAACGCCTCCATAATGCAGCCTCCAAACTGCACAAATTGAAAAGTGAA
GGATTCATGAAAGTTCTTAAATGTGAAGTGGAATTGATGGCCAGGATGGCAAAAACCATT
GACAGCTTCACTCAGAATCAGACAAGGCTGGTGGTCATCATCGATGGATTAGATGCCTGT
GAGCAGGACAAAGTCCTTCAGATGCTGGACACTGTCCGAGTTCTGTTTTCAAAAGGCCCG
TTCATTGCCATTTTTGCAAGTGATCCACATATTATCATAAAGGCAATTAACCAGAACCTC
AATAGTGTGCTTCGGGATTCAAATATAAATGGCCATGACTACATGCGCAACATAGTCCAC
TTGCCTGTGTTCCTTAATAGTCGTGGACTAAGCAATGCAAGAAAATTTCTCGTAACTTCA
GCAACAAATGGAGACGTTCCATGCTCAGATACTACAGGGATACAGGAAGATGCTGACAGA
AGAGTTTCACAGAACAGCCTTGGGGAGATGACAAAACTTGGTAGCAAGACAGCCCTCAAT
AGACGGGACACTTACCGAAGAAGGCAGATGCAGAGGACCATCACTCGCCAGATGTCCTTT
GATCTTACAAAACTGCTGGTTACCGAGGACTGGTTCAGTGACATCAGTCCCCAGACCATG
AGAAGATTACTTAATATTGTTTCTGTGACAGGACGATTACTGAGAGCCAATCAGATTAGT
TTCAACTGGGACAGGCTTGCTAGCTGGATCAACCTTACTGAGCAGTGGCCATACCGGACT
TCATGGCTCATATTATATTTGGAAGAGACTGAAGGTATTCCAGATCAAATGACATTAAAA
ACCATCTACGAAAGATGCTGTGGAGCAGACAGTTGTGACCGAGACCGAATTGGCATTTCC
AAGTCAGTGTTAGTTGCCATGTTGATGGAGAGC

Restriction Sites: Please inquire

ACCN: AL133620

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:
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: AL133620.1, CAB63746.1

RefSeq Size: 3789 bp

RefSeq ORF: 3789 bp

Locus ID:	57498
Cytogenetics:	2p25.1
Domains:	ANK
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Neurotrophin signaling pathway
Gene Summary:	This gene encodes a transmembrane protein that is preferentially expressed in the nervous system where it controls neuronal cell survival, differentiation into exons and dendrites, and synaptic plasticity. The encoded protein interacts with membrane receptors, cytosolic signaling components, and cytoskeletal proteins, serving as a scaffold that mediates crosstalk between the neurotrophin pathway and several other intracellular signaling pathways. Aberrant expression of this gene is associated with the onset of various neuropsychiatric disorders and neurodegenerative diseases, including Alzheimer's disease. Naturally occurring mutations in this gene are associated with a syndrome characterized by spastic paraplegia, intellectual disability, nystagmus and obesity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]