

Product datasheet for **RR210662**

Kidins220 (NM_053795) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kidins220 (NM_053795) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kidins220
Synonyms: ARMS
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210662 representing NM_053795
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCAGTTCTTATATCACAGAGTGTGATAAATTATGTGGAAGAAGAGAATATTCCTGCTCTGAAAGCTC
TTCTTGAGAAGTGCAAAGATGTAGATGAGAGGAACGAGTGTGGCCAGACGCCGCTGATGCTGGCTCGGA
GCAGGGCAATGTGGAAATAGTAAAAGAACTGTTAAAGAATGGAGCCAACCTGCAATCTGGAAGATCTGGAT
AACTGGACTGCCCTTATATCGGCATCTAAGGAGGGGCACATCCACATTGTGGAGGAGCTGCTGAAGAGCG
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TAGTGTGGCTTTACGTTGATACAAACCTCGCCATAGCCATTTTCATTGAGTTTCTGGCTCTCATATA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210662 representing NM_053795
Red=Cloning site Green=Tags(s)

MSVLISQSVINYVEENIPALKALLEKCKDVERNECGQTPLMLAAEQGNVEIVKELLKNGANCNLEDLD
NWTALISASKEGHIHIVEELLKSGASLEHRDMGGWTALMWACYKGRDVEVLLLSHGANSVTVGLYSVYP
IIWAAGRGHADIVHLLQNGAKVNCSDKYGTPLVWAARKGHLECVKHLAMGADVQEGANSMTALIVA
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LKDDKDKKAEKGAERVCKSPEHSAEPIRTFIKKEYLSDALLDKDSSDSGVRSNESPNSLHNEA
ADDSQLEKANLIELEDEGHSGKRGMPHSLSGLQDPIIARMSICSEDKKSPECSLIASSPEESW
PACQKAYNLNRTPTSTVTLNNTAPTNRANQNFDEIEGIRETSQVILRPGSPNPTAVQEN
NLKSMHAKRSQRSSYTRL SKDASELHAASSESTGFGEERESIL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_053795
ORF Size:	5286 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_053795.1 , NP_446247.1
RefSeq Size:	7140 bp
RefSeq ORF:	5289 bp
Locus ID:	116478
UniProt ID:	Q9EQG6
Cytogenetics:	6q16
MW:	195.7 kDa
Gene Summary:	developing nervous system protein which is a substrate for protein kinase D and a downstream target for both neurotrophin and ephrin receptors [RGD, Feb 2006]