

Product datasheet for **RN208720**

Kif1b (NM_057200) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif1b (NM_057200) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kif1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208720 representing NM_057200 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGGAGCCTCTGTGAAGGTAGCCGTTTCGAGTGAGGCCCTTCAATCCCGAGAGACCAGCAAGGAGT
CCAAGTGCATCATTAGATGCAGGGCAACTCGACCACTATTATCAACCCAAAGAACCAGGAAGCACC
AAAGTCCTTCAGCTTTGACTACTCTTACTGGTCTCACACCTCGCCTGAAGACCCCTGCTTTGCATCTCAG
AGCCGCGTGTACAATGACATTGGGAAGGAGATGCTCTTGATGCCTTCGAAGGCTATAATGTCTGTATCT
TTGCCATATGGGAGAGCCGCTGCTGGGAAATCCTACACGATGATGGGAAACAAGAAGAGAGCCAGGCCGG
GATCATCCACAGTTGTGTGAAGAACTTTTGAAGATCAATGACAACTGTAATGAAGATATGTCTTAC
TCCGTGGAGGTGAGCTACATGGAATTTACTGTGAGAGAGTACGAGATTTGCTGAATCCCAAAAACAAGG
GTAATTTGCGTGTGCGTGAACACCCACTTCTCGGACCCTATGTGGAAGATCTGTCCAAGCTGGCAGTCAC
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CTAGCCTCTGAGAATCAACGCCCTGGCAATTTCTCACAGCATCCATGGGGTCCCTCACTTCATCCCCGT
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CAATGAAGACCCTCTAATGTCGGAGTGTTCGTTTATTATATCAAGGACGGAATTACAAGGGTTGGCCAA
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 GGAGTGAGAGAAACAACACTGGCGAAGTTATTGTGACCTTAGAGCCCTGTGAGCGCTCAGAAACCTATGT
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 CCATGTACAGAATATTGAGTGGAGGTACCGAGTCATTTGTGGACTACATCAAAACCAACCCATCGTG
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 TCTACCGCTTTGAGGCTGTATGGGACAGCTCCCTACATAACTCCCTCCTTCTGAACCGAGTGACACCCTA
 TGGAGAAAAGATCTACATGACCTTATCTGCTTATCTGGAGTTGGATCATTGCATCCAGCCAGCCGTCATC
 ACTAAGGATGTGTGATGGTCTTCTATTTCCGAGATGCCAAGATCTCACCACCAGGTTCTCTGAGAAACC
 TCTTTGGTAGTGGCTACTCAAAGTCACCAGACTCCAACCGAGTAAGTGAATCTACGAGCTTAGCTTATG
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 TATGTTCCGGGAGAGGAGAACCCTCGCAGGCTGGCGACCTCGTGGAGACAGCCTCATCCTGGAACACCAAT
 GGGAGCTGGAGAAGCTGGAGCTTCTGCATGAGGTGGAAAAAACTCGCCACTTCTTGCTGCTTCGGGAGAG
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 ACCTCGACCAGCATCTTCTCAGATCTCAACCACTACCTTTGAAAGCGCCATCACACCGAGCGAGAGCA
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 CATGCCCCCTCCCTGGTGGACTCCAGGAGCAGCTCTATGGATCAGAAGACCCAGAAAGCAACTCTCGTGC
 GTCTAGTCCTTGCCAGGAATTTGAACAGTTTCAGATCATCCCAACTGTGGAGACACCCTATTTGGCCCGA
 GCAGGAAAGAATGAATTTCTCAATCTTGTTCAGACATTGAAGAAGTTAGAGCAGGCTCAGTGGTGTCTA
 AGAAAGGATACCTGCATTTCAAAGAGCCACTCTCCAGTAACTGGGCTAAACATTTCTGTTGTGTTCTGTCG
 CCCTTACGTCTTCATCTATAACAGTGACAAAGACCCAGTAGAGCGTGGCATCATTAACTGTCCACAGCA

CAGGTGGAGTACAGCGAGGACCAGCAGGCCATGCTGAAGACACCTAACACTTTTGCTGTGTGCACAAAGC
ACCGTGGGGTCCTTCTGCAAGCTCTCAATGACAAAGACATGAATGACTGGTTATACGCCTTTAACCCACT
CCTGGCTGGCACAATAAGGTCAAACTCTCTCGCAGATGCCAAGCCAGCCAAAATACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_057200
Insert Size:	5451 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:	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_057200.2, NP_476548.1</u>
RefSeq Size:	6031 bp
RefSeq ORF:	5451 bp
Locus ID:	117548
UniProt ID:	<u>O88658</u>
Cytogenetics:	5q36
Gene Summary:	putative myogenic mitochondrial transporter [RGD, Feb 2006]