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Product datasheet for MC224747

D430042O09Rik (NM_001081022) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	D430042O09Rik (NM_001081022) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	D430042O09Rik
Synonyms:	Kiaa0556
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>MC224747 representing NM_001081022
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACGGTCAGGCCCTGCGGAAGGTGGAGAGAAGCCGGTCCTGCTCTCAGGAGAGAAAGGAGGGTTACA
GTAAGGACATGGTGACAGACTTTGATGAGAAACATGATGAGTATTTAATATTGCTTCAGCAGAGAAACCG
GATACTAAAGCATTTGAAAGCCAAGGACCCTGTGCAGCTGAGGCTGGAACACTTGGAGCAAGGTTTCTCT
GTCTATGTCAATGGGGCCAACTCGGAGCTGAAGACATCACCACGGAAAGCTGTGCATACAGACTTCTCCA
GAAGTGCCTCACAGGCTGAGGGGTCACAGGATTATGGACGAAGAACCCTATTCCGAGAAGCCGAAGAAGT
CTTAAGACGCAGCTCCAGGACAGCACCAGGAAAAGTCCAGCGCCGAGGATGGCACCAGAAATCTGTGCAG
ATCAGAACTGAAGCTGGCTCTCGTCTCCACATTGAACCTCCTCTGGACTGTTCAGAAGATTTTGAATCAC
AAGAAGATGTGATTGGCAAGCATGAGGATGCCACTGGGGAGCACACACAGGAGCTGAGAAAAGGCCTGGG
GCTCAGCACAAGCCTCCAGACCCAAGAGGACGGCTCCAGCGACGAGTACGACTCTATTGAGGAAGACGTC
CTCTCTGAGACGGAGACTGAGGACCCTGTCCTGCCAGTCCACAACAGAGATGAATGTCCACTTCCCAGCC
ATGATGCAGTACAGAAGGATGTCCCCAAGGACCAGGAACTGGAAGGCCGGCATCCCCAGGCCACAGACAC
CCTTGTGGTAATGGAGTTTAACCCAGCTTCTAAAGGTAATAAGATGGACCGGATTTTATCTGCTAAGCGG
AAGGAGAATGCTGAGGTCTTCATCCCCAGCAAACCAGACTCTGTCCTGAATCCACAGCCCCCAGCTGTGT
TCCCAGAGCAGGAGAGAGCCTGTTCCAGATCTGGAAGCCGGAGAGATAGACCCTTGTCAGCAACCCGCAA
AGCATATGCAGCTGAGGACCGAGAGGAAGATGCCTCGGCTGTGCTGAAAGCCATCCAGGTGGAGAACGAA
GCTCTGCAACAGGTCTTCCTCAGCCACGATCCTGAGCTACATACCAGTCCACAGCAGGATACCAAGGAAC
CACCAGCAAAATCCTGGTCCAGTCTGCTGAAGGCCAAGGAGGACATCCCTGAGCTGCTTCCTGCTACTCC
AGTGACCACCGATCCTGAGCTGTGCAGAGCAGCAGCAGGAGCCAAAGCTGTCAGCCAAGCCATGGACGGA
ATGAGCCCTTTGGGAAGCAGACAACAGCATAAACTTGTGGGAGTCTTGCAGACTATGGAAAGTGACACTA
CCCATCTCAGCCAGGTGGCTATACCAACAGAGAAGCCAGTACCAAATTCAGAGGAAAAGTGGAAAGCAAG
AGTAGATGAGATCGAAGATGCCATCTATGTGACTATGGAAATCCTGTCTAACTGGGGCAATGCATCATGG
GTGGGTCTCACAGAAGTCCAGTTCTTTGATCTGAACAACATAAAGCTTTATGTCTCACCTCATGATGTGG

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ACATCCGGAATGCAGTGTTGCCAGGCGAACTGGGGTGCCTTGTCAACAGGGACTTAGTGAGCAAGAAGGA
CCCCCCTGTGTGGACCTGCCCCTTCCACCCACCACTTCAGCTCTATTTCATTATTCACAACATGCGACAG
CTTCGTGACTTCGGTCTGACCATGATCAAGGTTCGGAATTACTGGACAGCAGATGGGGATCTTGACATTG
GTGCTAAGAACGTGAAACTCTATGTCAACAAAAGCCTCATCTTTGATGGCGTGTTAGAGAAAGGAGGAGG
TGAAGCCCCTTCTGATTGTACCATCCCCGTGGACCTTCAGAGAGAGAGGAATGAGAGCTCAGACAAGGCC
TTGAGCACTGGCTGGAAAGAAAGCAAAGGTGCCCTCAAGATGGCTGCCTTGAGTGATGCTAGGGAGCTTG
GGCTCAGCTGCTCACAGCCAGCGGAATCCTTGGATATGACAGTTTCCTCACAAGGAGATTTCCTTGGTGA
AAAGGTGAATTCTACATCTGGCCTGAAGAACAGTTTGTCCAAGTTACAGGAAGATGTAAGACTGTTGGCA
ACCCCTGCCTCTATGGGTGATGGGCCCAGTGTCCCTTCTTCATCCTCTCCTGGGAAATGTCTTCCTCTAG
AAGAGGAGCCCTCTTTGATCCAACAGCTGGAAAGTCTCAGAGGTAGGAAAATCCCCGAACCGACCGGGAA
AACCCCACACTGGTTACAGCCTTCTCTAGCAGGGATGGGCAAGAAACAGACAGTCAGGAAGCCCAAACCC
CTGTGGCTCAGTCCTGAAAAAGATCTGGAACAGAAGAGCAGGTTTCCATCTGAGGATGTCATGGGTGATA
CTCCTGGAGAGGTGGAGACCAGGGAAAAAGGCCCTCGTCGTGAGCAAGGGAGGACTAGCAGCTGGAATGT
CATCACTGAAGAGAGAGCCCCCAAAGCATTCTCCAAAGCCTGTGGCGATGACTTAGACATCTTTAGCCAG
CTTCCTAACAGGGATCGCCCTGCTAGTGGGAGGAGGGCCCTGAAGAAGGAAGCCAGCAGTAGCCATGGTG
ATGACCGGCCAGCCAGCAAAGAAGACACCCAGGCCTCCCAGACACTGCCTTGGTTGCAGTGGTATGGTGA
GCAGGAACACGCACTGCATGCATCATGGGACTCCCTCACTGCCTTCGACCGTGCCCACCGGGGCAGAATC
TCTGCCCTGGAACCACAGGGGGACATCCTAGATGAGTTCCTGAAGCAGCAAAGGAGCAGCCGGCATGAGG
AATTCCCAGCCCCTTGCAGAGAGGAGGAGCCAGAGCCCTCCACAGAGATGGGTGGTGACAGCGACTTTAA
AATCCCAGTCCTCCCTTATGGACAGCACTTGGTTATTGACATCAAGTCTACATGGGGAGACAGACACTAT
GTTGGCCTTAACGGCATAGAAATATTCAGCTCCTCAGGGGAACCAGTACAGATTTCCAGCATAACGGCAG
ACCCCCCTGACATCAATATTTTACCAGCTTATGGGAAAGACCCACGTGTAGTCTCCAACCTCATTGATGG
GGTGAACAGGACCCAGGATGACATGCATGTCTGGCTGGCCCCCTTCACACCAGGCATGACCCACACCATC
TCCATTGAGTTCACACACCCTTGCCAAGTTGCCCTGATTAGGATTTGGAATTACAATAAGTCTCGAATCC
ACTCCTTCCGAGGTGTGAAGGACATCACGATGCTGTTGGATACTCAGTGCATCTTTGAAGGAGAAATTGC
CAAAGCCTCAGGAACTCTGATGGGAGCCCCTGAGCACTTTGGAGACACTATTCTCTTCACCATGGATGAG
GACATCCTGGAGGCCATATTCTGTTTGGATGATACTTTTGACATGGATGCTGAGAGCCTGTGTGGCCTTC
AGCCTGAAGAAGCGCTAAGGAGGCCCAGCACTGCCGACGGTGAAGGTCAGGATGAAAGGCCTTTCACACA
GGCTGGCTTGGGTGCCCAGGACCAGGTACCAGGGCTAGAGCTACAAACCAGCCCCCCTGTCTCTGAAGTC
ACCACACCTGAGCCAGGCATCTTCTATGGGTTATGCCTCCGACTAAACTTGACAGCCTCCTGGGGGGACC
TGCACTACATAGGACTCACTGGCCTAGAAGTAGTAGGCAAGGACGGCGAGGCCTTGCCCATTCAACCACA
CCAGCTCTCTGCCTCTCCCAGGGACTTAAATGACCTGCCCGAGTACAACGATGACTCACGGACCCTGGAC
AAGTTAATCGATGGCATGAACATCACCACCGAGGATGAGCACATGTGGCTGATCCCCTTTTCCCCTGGGT
TGGACCATGTGGTTATGATCCACTTTGACAGAGCCCAAAGCATTGCTGGCCTGCGTCTCTGGAACTACAA
TAAATCTCCCGAGGACACCTACCGAGGGGTCAAAATCGCTCATGTGTCCCTGGATGGCCTGTGCGTGTCT
CCTGCAGAAGGCTTTCTCATCCGAAAGGGGCCTGGCAACTGTCACTTTGATTTTGCACAAGAAATCCTTT
TTGGGGACTACCTACAGACCCGGCTACCACCAGCACCCACCAGGAGACTAGATGCAAAGAGCCTGGAGCG
AGCCAGCATGGACTACGAGGCCCCACTCATGCCCTGTGGCTTCATTTTCCAGTTCCAGCTGCTGTCCAGC
TGGGGCGATCCCTACTACATCGGCCTCACAGGGCTGGAGCTGTATGACGAGCATGGGGAGAGGATCCCAT
TGTCCCAGAACAATATTGCTGCCTTCCCAGACAGTGTGAATGCGCTAGAGGGTGTTTGCGGGGATGTGAG
AACCCCTGACAAGCTTATCGACCAAGTCAACGACACCAGCGATGGCAGGCACATGTGGTTGGCCCCCATC
CTGCCTGGCCTGGTGAACCGAGTGTATGTCATTTTCGACCTGCCCACCACTGTGTCAATGATCAAACTGT
GGAATTACACGAAAACGCCTCAACGAGGAGTGAAGGAGTTTGGCCTGCTGGTGGATGACCTGCTTGTGTA
CAACGGCATCCTTGCCATGGTGAGCCACCTGGTTGGGGGCATCCTGCCCACGTGTGAGCCTACCGTGCCC
CACCACACCATCCTTTTTGCTGAGGACACTGACTTCTGTCACCAGGAGAAACACGCCATCATCAGTAAGC
CGGAGGAAGACCAGGACATACAAATGATGAATGAAAACCAGGTCATCACTACCTCGAGGAGGAAGCCAGG
CACTGCTGACCCAGCCTTACGCCCTAAAACCTGCATACGTGAGAAGGAGACCTCAAGGCGTTGGCGGTGC
TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001081022
Insert Size:	4833 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:	NM_001081022.1, NP_001074491.1
RefSeq Size:	6191 bp
RefSeq ORF:	4833 bp
Locus ID:	233865
UniProt ID:	Q8C753
Cytogenetics:	7 F3
Gene Summary:	May influence the stability of microtubules (MT), possibly through interaction with the MT-severing katanin complex.[UniProtKB/Swiss-Prot Function]