

Product datasheet for MC223523

A830010M20Rik (NM_001007574) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	A830010M20Rik
Synonyms:	AI849226; Kiaa1107; mKIAA1107
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223523 representing NM_001007574 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCACTTAGATGATCAGCAGAAAATCAAGTAGCTGCACTTGACAAAGGTGATGACCGCAGACTTGGCA
GGAAGCCTGTGCTCACCAGCTCTCAGCAAAGGAGACAAGGCTCTGATGTTGATGTTTTAAAAATAAAACC
TTGGACAGAAAATAACAAAAACCGTGTGACAGCTCTCTCTACTAATCAGAAGATGAGATCCGATGGA
TTGGGAGCATCAGGACATGCATCAAGCACTAACAGAAACAGTATAAATAAAGTGTCCAAGCATGGTGACA
GTACAAAAATGTCCAAAGTTGTGAAAAGAGATGAAAACCTGGGGGAAAATATGTCTCTGGCAAGTCTAAAC
TATGGTAAAGCCCCAAACAGAAAACAGTATCATACAAAGATAGAAGGTTTGTCTCCACTGTTGTGGGA
AGACCATCAAGAGTGACAGCAGCTGGACGGAAGGACCCAGTACATGGAAAAGGAGTCCAGAACCAAGAAG
TGGAGACCACAGGGCAAGACCTAAGTACTCTGCAAACTGAACGTGCAAGCCAGAGCCAAGCCTTT
GCAAACTGAGAGGAAAAGATTCCACATGCCCGCCTCTGTAGGGCCCTCCAGTAGATCTACACATTCC
AGCACGGAGCTTCTGGCTTCCATGGCTCTGTGGATGAGACAAAGGAAAACGGATCAGTAGAAGACAAGT
GTCGTGATGGGAAGCCATACGTTAGTGATTCGCCAGGACAGATGGTGAGCAATGGAGTAATGTCACTGC
AGCAGTAAAGTCTCGAGCAGTTGCAAGAATTACCAATGGAACAGCCAGTAACAAAAGCTTTACTCATGAA
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AGGCAGTCTGATGAAAATGTAACAAGTTGAGGCATGGAACAGATAAGCAAATACCTAAGAGAAAAGTTG
TCAAGCAAGGACACACAACCTTTCAGAAAGTTAATGCAAAGCTGGTACCAATGCCTAAAATCCCAAGTCA
GCCCAAGAAAGGTGGAAGTGTAAACAGCAAAGATTCAAACAAAAAGTGCTTCTCTGGACAAATTATGCTG
CAAAGTCATGCTTCTCAGCGACCTTCCAACTGAGGTAGCTGAGAAAAGCGTGCTTCATGGTGTGAGTG
ACAGCAGGAACCATGTCTCTAACAGAGGCCTCAGAGTCCCCGTGTACCCTTGCTTGTGACACCAAGTGG
TCCTGAAGTGTCCAGATACCTTGACAGCTCAGCCACAAAGTCCATTAGGCAGTCAAGAGAAAAAGAGA
CTGGAGCTAGCATGTCAAGATAGGTCAACCCTGGGCGACTCAGTGAACGTGAGCTGAGGTGAGAACTGG



CTGGCATAGAGCAAAGTCACACATCCGCTTACAAAGACTCGAGTCAGTGAATGGGAATCCAACTGTGG
GAGCATTGCTGCTCTGAAATCTGTGATTTCAAATCCAAATGAAAACCTTGATAAACTCTAACCAGTTCAT
AATTCAGACTCAGCAAAATACAGAGCAAGCCTATTTATCAGATAGAGAGAGAGAAACAGGGAGAGAAAACA
CAGATACTGAACCAAGTATGAGTTGTATAAATGGGAAAGCTTTCCTGTGTGTTCTGAAGGGACAAGCAG
TACCCTCAACCCTACTCAAAGTGACAGAAGACTCACATTTTCATGGAGCAGCTCAAAGCCAGTTACCTGAC
GACTGTGCTACAGAGGACAGTAAATGTGCTACAGTCACCTCAGCTGTTTCTTCCAAATGTCTTTTGGGAC
AACCATCAGAAAAAATTTGAAAAATATGGAAATGTCAGAAACCCAGAGAGCCATGGAATCCAGAAGC
TCCATTTCGTGGGCCCTGGGATTTGAACACTGGTGCCACACATCAAAGAGAGAGTCCAGAATCCGACACT
GGTAGTGCTACACATCTTCAGACGACATAAAGCCCCGCTCAGAAGACTATGATGCTGGGGGGTCTCAGG
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GAGCAGCAGCGACACGACACCCCTGAAGAGTTGAAGGTGCAGGAGGTGACCTCAGGACTGAAGTCAGA
GTGAGAAAAGCAGGGTGGGGGTGACCACAGATCCACTCGGCAAGTGATGACGAGATCCCTAGGAAGAAGC
CAGAACCTTGGTCTCGATCTACAATAGGCTATCCCCGGGAGAAGGGAAGTACGCCACGGGGTAGCATCCC
ATCTGCTCAGGAAGGGGACAGGTTTCTTCTCAGCAGATGAAACAGAAGATGAAAGATCTGAAGCAGAG
AATGTTGGGAAAAATTCCTCTCCATGCAGCTCAGGTAATCAGCAGGTTTCAGGGAATAATTAAGCTT
TTGACGATGGAGCTGAACATGAAAGTCGTGAGTTTCTGCAACTAAGAAGTTTGAAGGTGAGTGTGCT
CTCGGTAGATGAGTGTGAAGAAGTGGGATCTGATGAAGGTGAAGGCCACACCCCTTTCAGCCTTCCCTA
GATTCTCTTTCACCTTCTGATGTTTTTGTGTTTCTTATGAGCATCATGGAAGGACAGGTTACTCTA
GATTTTTCAAAGAAAATGAAGTACTACTGCAGAGCATAATCACAACAAAGGCAATGGTGGATATAAAA
TGAAAGCTTTCTCTGAATTCTAGAAGCAAAGACTTCGAAAAACAAGATAAACAATGTGTCTCAACAGAT
CAAAAGACCAGGTTAGATGTCCACCCAAAGGAAGCCAAAGCTTTTTCGGAAAAACGAAGAAGTGATAA
GTAAACGGGAGGCGGCTCACAGCTTTCAGCAGCACAGCATTTCATGGATGGGGACACTAAGTCTCAAGA
ACGACCGTGTCAATTTGGAGTCCATCAGAGAGAACTCAGCTCCAATATACCAAGATCAGCTCAGTGAA
TCTCTGGACTCCTGTCCAGCCAGGGGCTGCCTCAGGAAGGGCAAGTGAAGAGAGCCGTCACGCCTC
CCAAGGGAGCTAATAACGCTGTGTTCTCAGGTAATGTACAGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001007574

Insert Size:

3267 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001007574.2, NP_001007575.2</u>
RefSeq Size:	6756 bp
RefSeq ORF:	3267 bp
Locus ID:	231570
UniProt ID:	<u>Q80TK0</u>
Cytogenetics:	5 E5
Gene Summary:	Involved in clathrin-mediated endocytosis at the synapse. Plays a role in neuronal development and in synaptic vesicle recycling in mature neurons, a process required for normal synaptic transmission.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.