

Product datasheet for MC229555

Clip1 (NM_001291229) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clip1 (NM_001291229) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clip1
Synonyms:	1110007112Rik; 4631429H07Rik; AV017631; C81039; CLIP-170; Clip50; CLIP170; CYLN1; mKIAA4046
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229555 representing NM_001291229 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGTATGCTAAAACCCAGCGGCCTGAAGGCCCTACCAAGATCCTTAAGCCGGGAAGCACAGCCTTGA
AGACGCCTGCTGCTGCTGCAGCTCCAGTGGAGAAGACAATACCCAGTGAGAAAGCCTCGGGCCCTCCATC
CTCCGAGACCCAAGAGGAGTTTGTGGATGACTTTCGAGTTGGAGAACGTGTTGGGTGAACGGGAATAAG
CCCGGATTTATCCAGTTTCTGGGAAACTCAGTTCGACCAGGCCAGTGGGCTGGGATTGTTTTAGATG
AACCCATAGGGAAGAACGATGGCTCTGTGGCGGGAGTGCAGTATTCCAGTGTGAACCTTAAAGGGCAT
ATTCACCCGACCTCAAAGCTAACGAGGAAGGTGCAGGCAGAAGATGAAGCCAACGGCCTGCAGGCAGCT
CCTGGGAGAAGTCTTACCTCTGTCCACTGCTGCAGCTACCATGGTGTCTTCTTCCAGCCACTCCCT
CAAATATCCCCACAAACCGTCCAGTCAACGGCAAAAGAACCTTCGGCTACACCTCAAATTAGCAACCT
CACAAAACTGCCAGTGAGTCGATCTCCAACCTTTCAGAGGCTGGCTCTGTCAAGAAGGGGGAGCGGGAG
CTCAAGGTCGGAGACAGGGTGTGGTGGTGGCACTAAGGCTGGCGTAGTCCGCTTCTTGGCGAGACCG
ACTTTGCCAAGGGGGAGTGGTGTGGTGTGGAGTTAGACGAGCCTTGGGGAAGAACGATGGTGTGTGGC
CGGAACAAGGTATTTTCAGTGTCAACCCAAATATGGATTGTTTCGCTCCTGTCCACAAAGTGACAAAGATT
GGCTTCCCGTCTACTACCCAGCCAAAGCCAAAGCCCGCTGTGAGGCGAGTGTGGCCGACGCCCG
CCAGCTGAAGCGAAGCCCTTCTGCCTCCTCCCTCAGCTCCATGAGCTCCGTGGCCTCCTGTGAGCAG
CAAACCCAGCCGACAGGACTATTGACTGAAACCTCCTCCCGCTACGCCCAAGATCTCGGGCACCCT
GCCCTCCAGGAGCGCTGAAGGAGAAGCAGCAGCATTGAGCAGCTGCTGGCTGAGCGGGACCTGGAGC
GGGCCGAGGTGGCCAAGGCTACCAGCCAGTGGGGGAAATAGAGCAGGAGCTAGCCCTGGCCGAGATGG
GCATGACCAGCATGTCTGGAAGTACAGGCAAGATGGACCAGCTACGGACCATGGTGAAGCTGCTGAC
AGGAGAAAGTGGAGCTGCTCAACCAGCTGGAAGAGGAGAAGGGAAGGTTGAGGACCTTCAGTCCGAG
TTGAAGAAGAATCAATTACCAAAGCGATCTTGGGTGGCTACCGTCTCAGAAAAGTCCCGAATAATGGA
ACTAGAAAAGGACCTAGCATTGAGAGCACAGGAAGTAGCTGAGCTCCGAAGAAGGCTAGAGTCCAGTAA



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CCTCTGGGGATGTGGATATGTCTCTCCCTTTTGAAGAAATAAGTGCTTTGCAAGAAAAGCTAGAAG
 CCATCCATACTGACCACCAGGGCGAGATGACTTCTTTGAAGGAACACTTCGGAGCTCGAGAGGAGGCGTT
 TCAGAAGGAGATCAAGGCTCTGCACACGGCCACTGAGAAGCTTTCCAAAGAGAACGAGTCCCTGAGAAGC
 AAGCTCGACCACGCTAATAAGGAGAAGCTCCGATGTGATAGCTCTATGGAAGTCCAACTGGAGACCGCCA
 TAGCATCCCACCAGCAGGCAATGGAGGAGCTGAAGGTGCCTTTAGCAAAGGCATTGGAACGGACTCCGC
 TGAATTTGCTGAGTTAAAGACACAGATAGAGAGACTGAGACTAGATTACCAGCACGAAATAGAAAAGTTTA
 CAGAGTAAACAGGACTCTGAGCGTCTGCTCATGCTAAAGAGATGGAGACCATGCAGGCCAAGCTGATGA
 AGATCATTAAAGAGAAGGAGGACAGCCTGGAGGCCGTCAAAGCGAGACTGGACAGTGCAGAAGACCAGCA
 CCTAGTGGAATGGAGGACACGCTAAACAACTGCAGGAGGCGGAGATTAAAGCTAATAGCATTACCAAA
 GAGCTCCAGGAGAAAAGAGCTAGTGCTCACTGGTCTGCAGGACAGTTTGAATCAAGTCAATCAAGTGAAGG
 AGACTTTGGAGAAAAGACTTCAGACTTTGAAAGAAAAGTTTGCCAGTACTTCAGAGGAGGCGGTCTCTGC
 TCAGACAAGGATGCAAGATACCGTAAATAAACTGCACAAAAGGAGGAACAGTTTAACTGTTGCTGCT
 GAACTGGAGAAGTTGAGAGAAAATTTAACAGACATGGAGGCAAAATTTAAAGAGAAGGATGATCGAGAAG
 ATCAGCTGGTAAAGGCAAAGGAAAATTTAGAAAACGACATTGCAGAAATAATGAAGATGTCAGGAGATAA
 CTCTTCTCAGCTGACAAAGATGAATGATGAATTACGTCTGAAGGAAAGATCCGTGGAAGAACTCCAGCTC
 AAGCTTACAAAGGCCAATGAAAACGCCAGTTTTCTGCAGAAGAGTATTGGCGAAGTGACTCTTAAAGCTG
 AGCAGAGTCAGCAGCAAGCAGCCAGAAAACATGAAGAAGAAAAGAAAGAGTTGGAGGAAAAACTGTTGGA
 ACTGGAAGAAGATGGAACAAGCTACAACAGTGTGAGGACCTGAAAGCTAAGTATGAAAAGCCAGT
 TCTGAGACTAAAACAAAGCATGAAGAAATCCTGCAGAACCTCCAGAAGATGCTGGCGGACACAGAGGATA
 AGCTGAAGGCTGCTCAGGAGGCGAACAGAGATCTGATGCAGGACATGGAGGAGCTGAAAACACAGGCCGA
 CAAAGCCAAAGCTGCTCAGACTGCAGAAGACGCCATGCAGATCATGGAACAGATGACCAAGAGAAAAACA
 GAAACGCTGGCCTCCTTGGAGGACCAAGCAAACAAATGCAAGACTACAGAATGAATTTGGACACACTTA
 AGGAAAACAACCTGAAAAGCTGTGGAAGAGCTGAACAAGTCAAAGAAGTCTGAGTGTAGAGAACC AAAA
 AATGGAAGAATTCAAGAAAGAAAATAGAAAACCTAAAGCAGGACAGCTCAGAAGTCCCAGCAGCTTTCA
 GCACTGCAGGAAGAGAACGTCAAACCTGCGGAGGAGCTGGGGAGAACCCGGGACGAAGTCACAAGTCAAC
 AGAAGCTGGAAGAAGAACGATCTGTACTCAATAATCAGTTGTTAGAAATGAAAAGAGAGAATCTGAGTT
 CAGAAAAGACGCCGATGAAGAGAAAAGCCTCCTTGCAGAAGTGCATCAGCCTCACCAGTGCCTTGCTCACA
 GAGAAGGACGCGGAGCTGGAGAAGCTGAGGAATGAGGTACAGTGTGCTCAGGGGAGAGAATGCCACCGCCA
 AGTCCCTGCACTCAGTTGTGCAGACACTGGAGTCTGATAAGGTGAAGCTTGAAGTCAAGTCAAAAAGT
 GGAAGTCAACTCAAGGAGAACAAAGAGGACAGTCAAGCAGTCTCAGGTAACACTGATGCTCAGGCGGAA
 GAGGATGAGAGAGCCAGGAGAGTCAAGTTCCTCAACTCGGTAATAGTGGATCTTCAAAGAAAGA
 ACCAAGACCTCAAGATGAAGGTGGAGATGATGTCTGAAGTGCAGTCAATGGCAACGGGGGAGACCTGAA
 CAGTTATGACAGTGTGACCAGGAAAAGCAGTCCAAGAAGAAAACCCCGCCTCTTCTGTGACATCTGTGAC
 TGCTTTGACCTCCACGATACAGAGGACTGTCCCACCCAGGCACAGATGTCGGAAGATCTCCCCATTCCA
 CTCACCATGGCAGCCGGAGCGGAGGAGCGGCCATACTGTGAGATCTGTGAGATGTTTGGGCACTGGGCAAC
 CAACTGCAATGACGACGAGACCTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001291229
- Insert Size:** 3948 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001291229.1</u> , <u>NP_001278158.1</u>
RefSeq Size:	5649 bp
RefSeq ORF:	3948 bp
Locus ID:	56430
UniProt ID:	<u>Q922J3</u>
Cytogenetics:	5 F
Gene Summary:	<p>Binds to the plus end of microtubules and regulates the dynamics of the microtubule cytoskeleton. Promotes microtubule growth and microtubule bundling. Links cytoplasmic vesicles to microtubules and thereby plays an important role in intracellular vesicle trafficking. Plays a role macropinocytosis and endosome trafficking.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>