

Product datasheet for **MG221329**

Clip3 (NM_001081114) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clip3 (NM_001081114) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Clip3
Synonyms:	1500005P14Rik; AI844915; Clipr-59
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221329 representing NM_001081114
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTAAGACGGATCCTGCCCAATGGCCCTCCGCCCGAGGGGAGGAGGAAGAGGAGGAGGAAGAAG
 ACGAACCAAGTTCAGAAGCCCCAGCCCCACCCAGGAGCGCCGGCAGAAGCCAGTTGTGCACCCCTCAGC
 ACCTGCTCCGCTCCCAAAGACTACGCTTTTACCTTCTTCGATCCAATGACCCTGCGTGCCAGGAAATT
 CTGTTTGACCCGAAGACCACCATCCCAGAGCTGTTGCGCATTGTACGCCAGTGGTCCCCAAGTCCAGC
 ACAAGATTGATGTCATTGGCAACGAGATTCTTCGTCGTGGCTGCCACGTGAATGATCGTGATGGGCTCAC
 AGATATGACACTGCTCATTATGCGTGCAAAGCTGGGGCCATGGAGTCGGAGACCCTGCGGCCGCTGTG
 CGTCTCTACAGCAGCTGCTGGCGCTAGGCGCAGATGTGACCCTGCGCAGCCGCTGGACCAACATGAACG
 CCCTTCACTATGCCGCCTATTTTGATGTGCCAGACCTTGTTCGTGTGCTGCTGAAGGGGGCAGGGCCAG
 GGTGGTGAACCTCACCTGCAGTACTTCAACCATGGCTCGGCTCTGCACATCGCTGCCTCGAATCTGTGC
 CTGGGCGCTGCCAAATGTTTACTGGAGCATGGTGCCAACCCAGCACTGAGGAACCGAAAGGGACAGGTGC
 CAGCGGAAGTGGTCCCAGACCCCATGGACATGTCCCTTGACAAGGCAGAGGCGGCCCTGGTGGCCAAAGGA
 ACTGCGGACACTCCTAGAAGAGGCTGTGCCACTGTCTGCACCCTGCCCAAAGTTACACTCCCCAACTAT
 GACAACGTCCCAGGCAATCTCATGTCTACGCGCGCTGGGCTGCGCCTAGGAGACAGAGTGTCTTGTATG
 GGCAGAAGACGGGCACGCTGAGGTTCTGTGGGACCACTGAGTTCGCCAGCGGCCAGTGGGTGGGCGTGGA
 GCTAGATGAACCAAGAAGCAAGAACGATGGCAGCGTTGGGGGTGCCGTTACTTCATCTGCCCTCCCAAG
 CAAGGCTCTTTTGCCTCTGTGTCAAAGTCTCCAAGGCAGTGGATGCACCCCTCATCTGTTACCTCCA
 CGCCCGGACTCCCGGATGGACTTCTCCCGTAACTGGCAAGGGCCGAAGAGAACAAGGGGAAGAA
 GAAGTCCCATCTTCCCATCTCTGGGCGACTGTCAGCAGCGTGAAGGGGCCAAAGCTGAAGTTGGAGAC
 CAAGTCTTGTGGCAGGCCAGAAGCAGGGGATTGTGCGCTTCTATGGGAAGACTGACTTTTCTCCAGGTT
 ACTGGTATGGCATCGAGCTGGACCAGCCACAGGCAAACATGACGGCTCTGTGTTGCGCGTCCGGTACTT
 TACCTGTGCCCGAGGCATGGGGTCTTTGCACCAGCATCTCGTATCCAGAGGATTGGTGGATCCACTGAT
 CCCCCGGAGACAGTGTGGAGCCAAAAAGTGCATCAAGTGACAATGACACAGCCCAAACGCACCTTTA
 CGACAGTCGGACCCCAAAGGACATTGCGTCAGAGAACTATCTCCAGGTTACTTCTGCTGCTGTT
 TCCTTGGATGCTGAGGGCAGAGATGCAGTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG221329 representing NM_001081114
 Red=Cloning site Green=Tags(s)

MTKTDPAAPMPRRGEEEEEEEEDEPVPEAPSPTQERRQKPVVHPSAPAPLPKDYAFFDFPNPACQEI
 LFDPKTTIPELFAIVRQWVPVQVQHKIDVIGNEILRRGCHVNRDGLTDMTLLHYACKAGAHGVGDPAAAV
 RLSQQLLALGADVTLRSRWTNMNALHYAAYFDVPLVRVLLKGARPRVNSTCSDFNHGSALHIAASNLC
 LGAAKCLLEHGANPALRNRKQVPAEVVDPMDMSLDKAEALVAKELRTLLEEAVPLSCTLPKVTLPNY
 DNVPGNMLMLSALGLRLGDRVLLDGQKTGLRFCGTTTFASGQWVGVELDEPEGKNDGVSQVRYFICPPK
 QGLFASVSKVSKAVDAPPSVSTSTPRTPRMDFSRVTGKGRREHKGKKSPSSPSLQREGAKAEVGD
 QVLVAGQKQIVRFYGKTDFAFGYWYGIELDQPTGKHDGSVFGVRYFTCAPRHGVFAPASRIQRIGGSTD
 PPGDSVGAKKVHVQVMTQPKRTFTVVRTPKDIASENSISRLLFCCWFPWMLRAEMQS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001081114

ORF Size: 1641 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:

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_001081114.1](#), [NP_001074583.1](#)

RefSeq Size: 3300 bp

RefSeq ORF: 1644 bp

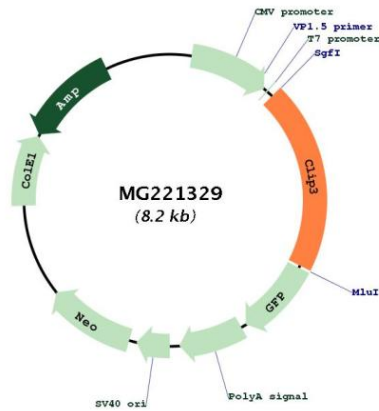
Locus ID: 76686

UniProt ID: [B9EHT4](#)

Cytogenetics: 7 B1

Gene Summary: Functions as a cytoplasmic linker protein. Involved in TGN-endosome dynamics. May modulate the cellular compartmentalization of AKT kinase family and promote its cell membrane localization, thereby playing a role in glucose transport in adipocytes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG221329