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Product datasheet for MC216325

Chn2 (NM_001163640) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chn2 (NM_001163640) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chn2
Synonyms:	1700026N20Rik; 4930557O16Rik; ARHGAP3; Bch
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC216325 representing NM_001163640
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCATCCAGCAACTCTAGTCTGTCCGGCTCCTCCGTGTCCTCTGATGCTGAGGAATACCAGCCTC
CAATATGGAAATCATACTTGTATCAGCTGCAGCAAGAGGCACCTCGTCCCAAGAGGATCATTTGTCCCCG
GGAGGTGGAAAACAGACCAAAATATTATGGAAGAGAGTTTCATGGGATCATCTCTCGGGAGCAGGCTGAT
GAGCTTCTAGGCGGCGTGGAAGGTGCCTACATCCTTCGAGAAAGCCAGCGGCAGCCAGGATGCTACACGC
TGGCACTGAGGTTTGGGAACCAGACCTTAAACTACCGGCTCTTCCACGACGGGAAGCACTTTGTGGGTGA
GAAGAGGTTCGAATCCATTCACGACCTGGTGACAGATGGCTTGATCACACTCTACATAGAGACCAAGGCT
GCTGAGTACATCGCGAAAATGACCACAAATCCCATCTACGAGCACATCGGATACGCCACTCTCCTCAGAG
AAAAAGTGTCCCGAAGGCTGAGCAGGTCTAAAAACGAATCAAGGAAAGCTAGCGTCAGCAACGAGGAGCA
CACGCCAGTGGAGAAGATCTCTTCACTGGTCCGAAGAGCTGCCCTCACACACAACGACAACCACTTCAAC
TATGAGAAGACACACAACTTCAAGGTGCACACATTCCGGGGCCCACACTGGTGTGAATACTGTGCCAATT
TTATGTGGGGGCTCATCGCCCAGGGAGTCCGGTGTTCAGATTGTGGGTTAAACGTACACAAACAGTGCTC
CAAGCACGTCCCCAATGACTGCCAGCCAGATCTCAAGAGGATCAAGAAAGTGTACTGCTGTGACCTCACC
ACGCTTGTCAAAGCTCACAACACTCAGAGACCCATGGTGGTGGACATATGTATTCGGGAAATTGAAGCAA
GAGGATTAAAGTCAGAAGGGCTTTACAGAGTCTCTGGATTCACAGAACACATTGAAGATGTCAAGATGGC
GTTTGACAGAGATGGTGAAAAGGCGGATATCTCTGCCAACATCTACCCAGACATAAACATCATCACTGGA
GCCCTGAAACTGTACTTCCGAGACTTACCCATCCCTATCATCACATATGACACCTACTCCAAATTTATAG
AGGCAGCAAAAATCTCCAATGCGGATGAGAGGCTGGAAGCTGTCCATGAGGTCCTGATGCTGCTGCCTCC
TGCCCACTATGAGACCCTGCGCTACCTGATGATCCACCTGAAAAAGGTTACCATGAATGAAAAGGACAAT
TTAATGAATGCCGAAAATCTGGGGATCGTGTTTGGGCCCACCCTGATGAGACCCCCTGAGGACAGCACCC
TCACCACCCTCCATGACATGCGGTACCAAAAGCTGATCGTGCAGATTTTAATAGAAAACGAAGATGTTCT
GTTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001163640

Insert Size: 1407 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.

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RefSeq:	NM_001163640.1, NP_001157112.1
RefSeq Size:	3150 bp
RefSeq ORF:	1407 bp
Locus ID:	69993
Cytogenetics:	6 B3
Gene Summary:	GTPase-activating protein for p21-rac.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate, upstream transcription initiation site, uses a distinct start codon and contains several additional exons, compared to variant 1. The resulting protein (isoform 2, also referred to as beta2-chimerin) has a much longer and distinct N-terminus compared to isoform 1.

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