

Product datasheet for **MG216875**

Chid1 (NM_001142681) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chid1 (NM_001142681) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chid1
Synonyms:	3110023E09Rik; AI841869
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216875 representing NM_001142681 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGCCATGTGGCACTTCTTCATGTCCTCTGGCTTGCTCTGGTCTGTGGCTCTGTTACACCACCC
TGTCAAAGTCAGATGCCAAAAAGCTGCCTCAAAGATGCTGCTGGAAAAGACTCAGTTTTAGATAAACC
TGCCAAGATCGGGTCTGGTGGTACGGACATCAAAGCTGAGGATGTGGTTCTGAACATCGTAGCTAC
TGCTCATCAAGGGCTCGGAGAGAAAACCTTGGTGGAGAGGTCCTAGGCTACGTCCTCCATGGAACAGCC
ATGGCTACGATGTGCCAAGGTCTTGGGAGCAAGTTCACACAGATCTCACCAGTCTGGTTGCAACTGAA
GAGACGTGGTCGTGAGATGTTTGAATTACAGGCCTCCATGATGTGGACCAAGGGTGGATGCGAGCTGTC
AAGAAGCATGCCAAGGTGTGCGCATAGTGCCTCGACTTCTGTTGAAGACTGGACTTATGATGATTTC
GAAACGCTTAGACAGTGAAGATGAGATAGAAGAGCTCAGCAAGACTGTGGCACAGGTGGCAAAGAACCA
GCATTTTGACGGTTTTGTGGTGGAGGTCTGGAGCCAGTTGCTGAGCCAGAAACATGTAGGCCTCATTAC
ATGCTTACTCACTTGGCTGAGGCGCTGCACCAGGCCAGGCTGCTGGTCACTTCTGGTCACTCCACCTGCTG
TCACGCCGGGACTGACCAGCTGGGCATGTTTACACACAAGGAGTTTGAAGCAACTGGCCCCATACTAGA
TGGCTTACGCCTCATGACATATGACTATCCACGTCACAACAGCCTGGCCCTAATGCTCCCTTGTGATGG
ATTCGAGCCTGTGTCAGGTCCTAGACCCCAAGTCACAGTGCCGAAGCAAGATCCTCTGGGCTTGAAT
TCTATGGCATGGATTATGCAGCCTCCAAGGATGCCCGTGAAGCCTGTCATTGGAGCCAGGTACGTACAGAC
GCTGAAGGACCACAGGCCCGAGTGGTATGGGACAGCCAGGCTGCGGAGCACTTCTTTGAGTACAAGAAG
AATCGCGGCGGGAGGCATGTTGTCTTCTACCCAATCTGAAGTCTCTGCAGGTGCGGCTGGAGCTAGCCA
GGGAGCTTGGCGTGGGGTCTCCATCTGGGAGCTGGGCCAAGGCCTGGATTACTTCTATGACCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216875 representing NM_001142681
Red=Cloning site Green=Tags(s)

MPAMWPLLHVLWLALVCGSVHTTLSKSDAKKAASKMLLEKTQFSDKPVQDRGLVVTDIKAEDVVLEHRSY
 CSSRARERNFAGEVLYVTPWNSHGVDVAKVFGSKFTQISPVWLQLKRRGEMFEITGLHDVDQGWMRV
 KKHAKGVRIVPRLLFEDWTYDDFRNVLSEDEIEELSKTVAQVAKNQHFDFGVVEVWSQLLSQKHVGLIH
 MLTHLAEALHQARLLVILVIPPVAVTPGTDQLGMFTHKEFEQLAPILDGFSLMTYDYSTSQQPGPNAPLSW
 IRACVQLDPKSQWRSKILLGLNFYGM DY AASKDAREPVI GARYVQTLK DHRPRVWDSQAAEHFFEYKK
 NRGGRHVVFYPTLKSLQVRLELARELGVGYSIWELGQGLDYFYDLL

TRTRPLE - GFP Tag - V

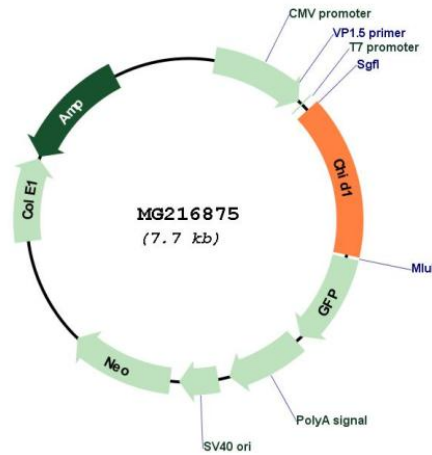
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001142681

ORF Size:	1188 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:	<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:	NM_001142681.1 , NP_001136153.1
RefSeq Size:	4239 bp
RefSeq ORF:	1191 bp
Locus ID:	68038
UniProt ID:	Q922Q9
Cytogenetics:	7 F5
Gene Summary:	Saccharide- and LPS-binding protein with possible roles in pathogen sensing and endotoxin neutralization. Ligand-binding specificity relates to the length of the oligosaccharides, with preference for chitotetraose (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]