

Product datasheet for **MG220787**

Chordc1 (NM_025844) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chordc1 (NM_025844) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Chordc1
Synonyms: 1110001O09Rik; AA409036; Chp-1; morgana
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220787 representing NM_025844
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTCTTGTGTACAACCGCGGCTGTGGCCAGCGTTTCGACCCAGAGGCCAACTCGGACGATGCTT
GCACATACCACCCAGGTGTTCTGTCTTTCATGATGCCCTAAAGGGTTGGTCTTGCTGTAAAAGAAGGAC
AACTGATTTCTCTGACTTCTAAGCATTGTAGGCTGTACAAAAGGTAGGCATAATAGTGAGAAGCCACCT
GAACCGGTCAAGCCTGAAGTCAAGACTACTGAGAAGAAGGAATCTGAATTAACCCAAATTTTCAGG
AGCACATCATTCAAGCCCTAAGCCAGTGAAGCAATAAAAAGGCCAAGCCAGATGAGCCAATGACAAA
CTTGAGTTAAAAATATCTGCTTCCCTAAAACAAGCACTTGATAAACTTAACTGTCTGTTGGAGTGAA
GAAGATAAAAAAGAAGAAGACAGTGATGAAATTAAGATTGGGACTTCTGTAAAAATGGAGGGTGTCAA
AGACATACCAGGGTCTACAGAGTCTAGAAGAAGTCTGTGTATATCATTCTGGAGTACCTATTTCCACGA
GGGGATGAAATATTGGAGCTGTTGTAGAAGAAAACTTCAGATTTAATACATTCTTAGCCCAAGAGGGC
TGTACAAGAGGGAAGCATGTATGGACTAAAAAGATGCAGGAAAAAAGTTGTTCCGTGTAGACACGACT
GGCATCAGACTGGGGTGAAGTTACCATCTCAGTGTATGCTAAAAATCCCTGCCAGAATCAGTCAAGT
AGAAGCCAACAGTACTTTGTTAAATGTACACATTGTATTTGAAGGAGAGAAAATTTTCATCAAAATGTG
AACTGTGGGGTGAATTGATGTTAAACGAAGTTATGTAATATGACTGCAACAAAGATTGAGATCACTA
TGAGAAAAGCGGAACCCATGCAGTGGCAAGTCTTGAACCTACCTACAACCAAAAAGCAGGAGAAAACAAA
AGATATAGCTGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220787 representing NM_025844
 Red=Cloning site Green=Tags(s)

MALLCYNRGGCQRFDPPEANSDDACTYHPGVPVFHDALKGWSCCKRRTTDFSDFLSIVGCTKGRHNSEKPP
 EPVKPEVKTTEKKELSELKPKFQEHIIQAPKPV EAIKRPSPDEPMTNLELKISASLKQALDKLKLSSGSE
 EDKKEEDSDEIKIGTSCKNGGCSKTYQGLQSL EEV CVYHSGVPIFHEGMKYWSCRRKTSDFNTFLAQEG
 CTRGKHVWTKKDAGKKVPCRDHWHQTGG E V T I S V Y A K N S L P E L S Q V E A N S T L L N V H I V F E G E K E F H Q N V
 KLWGVIDVKRSYVTMTATKIEITMRKA E P M Q W A S L E L P T T K K Q E K Q K D I A D

TRTRPLE - GFP Tag - V

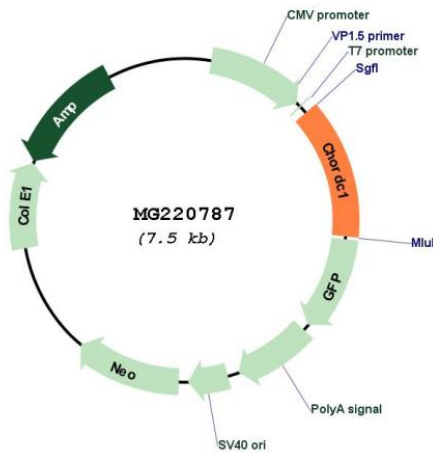
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_025844

ORF Size: 993 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_025844.2 , NP_080120.1
RefSeq Size:	2205 bp
RefSeq ORF:	996 bp
Locus ID:	66917
UniProt ID:	Q9D1P4
Cytogenetics:	9 A2
Gene Summary:	Regulates centrosome duplication, probably by inhibiting the kinase activity of ROCK2. Proposed to act as co-chaperone for HSP90. May play a role in the regulation of NOD1 via a HSP90 chaperone complex. In vitro, has intrinsic chaperone activity. This function may be achieved by inhibiting association of ROCK2 with NPM1. Involved in stress response. Prevents tumorigenesis (By similarity).[UniProtKB/Swiss-Prot Function]