

Product datasheet for **MG219018**

Cndp1 (NM_177450) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cndp1 (NM_177450) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cndp1
Synonyms:	A1746433; Cn1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219018 representing NM_177450
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTCTTCGGCACACTCTGGGCTGTTGGAGAAGCTCTCCACTACATAGACCTCCACCAGGATGAGT
 TCGTGCAGACACTGAAGGAGTGGGTGGCCATTGAGAGTATTCTGTGCAGCCTGTGCCTCGTCTCAGACA
 GAAGCTCTTCCAGATGATGGCCTTGGCTGCAGACAACTCCGGAACCTGGGAGCTGGGGTGGAGTCCATA
 GACTTGGGTTCTCAGCAGATGCCTGATGGTCAGAGTCTCCCCATACCTCCTATCCTATTGGCTGAGCTGG
 GAAGTGATCCCGAGAAGCCAAGTATGCTTCTATGGGCACCTGGACGTGCAGCCAGCTCAGAAGGACGA
 CGGGTGGCTCACGGACCCCTACACACTGACAGAGGTGGATGGGAACTGTATGGACGGGGAGCAACAGAC
 AACAGGGCCCCGCTTGGCTTGGATCAATGCCGTGAGCACCTTCAGAGCTCTGCAGCAGGATCTCCCG
 TGAACATCAAACCTCATCCTGGAGGAATGGAAGAAGCCGGTCCATCGCCCTGGAGGAACCGTCATGAG
 AGAAAAGGACCACTTCTCTCCAGTGTGGACTACATTGTATTTAGACAACTGTGGCTCAGCCAGAGG
 AACCTGCACTCACTTATGGAACCCGGGGAACTGCTACTTCACGGTGGAGGTGAAGTGTAGAGATCAAG
 ATTTCCACTCAGGAACCTTTGGTGGCATCCTCAACGAACCAATGGCTGACTTGGTTGCTCTTCTAGGTAG
 CCTGGTGGATTATCAGGCCACATCCTAATTCCTGGAATCTATGATCAAATGGCACCTATTACAGAGGGA
 GAAAAGACAATGTATAAAAAATTGATATGGACCTAGAAGAATACCAGAACATCAACCAAGTTGAGAAAT
 TTCTGTTTGATACCAAGGAGGAACCTTCTGATGCACCTGTGGAGGTATCCGTCTCTCTCCATCCATGGCAT
 CGAGGGTGCCTTTGATGAGCCTGGAACAAAACAGTCAATCCCGCCGAGTCTAGGAAATTTTCAATC
 CGTCTAGTCCCTACCATGTCTCCGTCTGTGGTGGAGAAACAGGTAACAGCATCTCGAAGCTGTCTTCT
 CTAAGGAATAGTTTCAACAAGATGGCCGTTTCTATGGTCTTAGGACTCCACCCATGGACTGCAAAAGCT
 CAATGATACTCAGTACCTTGCAGCACAGAGAACCATCAAAACAGTGTGGAGTTAATCCTGACATGATC
 CGGGATGGGTCAACCAATTCGAATGCAAAAATATTCCAGGCTATCACACAAAAGAGTGTGATGATGCTCC
 CACTGGGAGCTGTGGACGATGGAGAGCACTCTCAGAATGAGAAGATCAACAGGTGGAACACATACAGGG
 GTCGAAATTATTCGCTGCCTTTTCTGGAGTTGTCAAAACAGCATTAGGACACCAGATGCCTTCCAGT
 GTCTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG219018 representing NM_177450
 Red=Cloning site Green=Tags(s)

MFSSAHSGLLEKLFHYIDLHQDEFVQTLKEWVAIESDSVQPVPRLRQKLFQMMALAADKLRNLGAGVESI
 DLGSQQMPDQSLPIPPILLAE LGS DPEKPTVCFYGHLDVQPAQKDDGWLTDPYTLTEVDGKLYGRGATD
 NKG PVLAWINAVSTFRALQDLVNIKILEGME EAGSIALEELVMREKDHFFSSVDYIVISDNLWLSQR
 KPALTYGTRGNCYFTVEVKCRDQDFHSGTFFGILNEPMADLVALLGSLVDSSGHILIPGIYDQMAPITEG
 EKTMYKNIDMDLEEYQNIQVEKFLFDKEELMHLWRYP SLSIHGIEGAFDEPGTKTVIPGRVLGKFSI
 RLVPTMSPSVVEKQVTQHLEAVFSKRNSFNKMAVSMVLGLHPWTANVNDTQYLAARTIKTVFGVNPDMI
 RDGSTIPIAKIFQAITQKSVMLPLGAVDDGEHSQNEKINRWNYIQGSKLFAAFFLELSKQSHGHQMPSS
 VY

TRTRPLE – GFP Tag – V

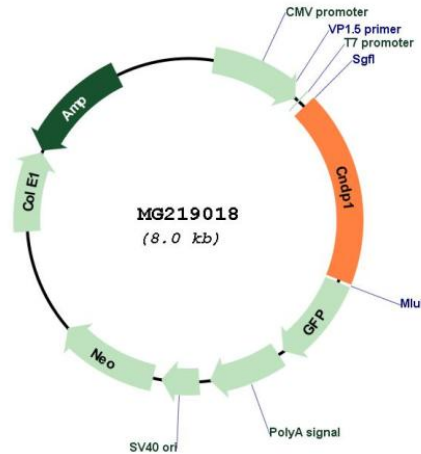
Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_177450

ORF Size: 1476 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_177450.4](#), [NP_803233.2](#)

RefSeq Size: 2829 bp

RefSeq ORF: 1479 bp

Locus ID: 338403

UniProt ID: [Q8BUG2](#)

Cytogenetics: 18 E4