

Product datasheet for **MG200756**

Ndp (NM_010883) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndp (NM_010883) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ndp
Synonyms: N; ND; Ndph
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200756 representing NM_010883
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAAATCATGTACTAGCTGCATCCATTTCTATGCTCTCCCTGCTGGCCATAATGGGAGATACAGACA
GCAAAACAGACAGTTCATTTCTGATGGACTCTCAACGCTGCATGAGACACCATTATGTCGATTCTATCAG
TCACCCACTGTACAAATGTAGCTCAAAGATGGTCTCCTGGCCAGATGTGAGGGGACTGCAGCCAGGCA
TCACGCTCTGAGCCCTTGGTGTCTTCAGCACTGTCTCAAGCAACCTTCCGTTCTCCTGCTACTGCT
GCCGACCCAGACTTCCAAGCTGAAGGCTCTGCGTCTGCGCTGCTCAGGGGGCATGCGACTTACTGCCAC
TTACCGGTACATCCTCTCCTGCTACTGTGAGGAATGCAGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200756 representing NM_010883
Red=Cloning site Green=Tags(s)

MRNHVLAASISMLSLLAIMGDTDSKTDSSFLMDSQRCMRHHYVDSISHPLYKCSSKMVLLARCEGHCSQA
SRSEPLVFSFVTLKQPFRRSSCHCRPQTSKLLKALRLRCSGGMRLTATYRYILSCHCEECS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

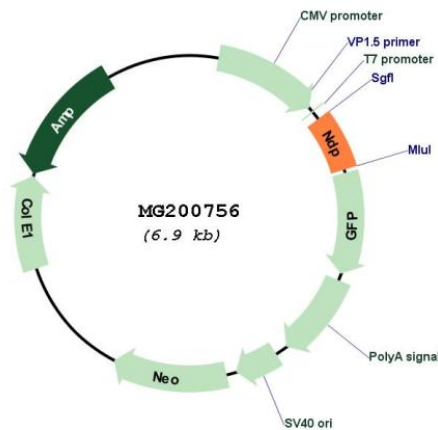


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Cloning Scheme:



Plasmid Map:



ACCN: NM_010883

ORF Size: 393 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_010883.3 , NP_035013.1
RefSeq Size:	1952 bp
RefSeq ORF:	396 bp
Locus ID:	17986
UniProt ID:	P48744
Cytogenetics:	X 12.07 cM
Gene Summary:	This gene encodes a secreted protein that acts a ligand for multiple different receptors and participates in both Wnt and Wnt-independant signalling. Its activity is important in vascular development of the eye and inner ear. Mutation of the related gene in humans causes Norrie syndrome. [provided by RefSeq, May 2015]