

Product datasheet for **RG201415**

NPDC1 (NM_015392) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPDC1 (NM_015392) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NPDC1
Synonyms:	CAB; CAB-; CAB-1; CAB1; NPDC-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201415 representing NM_015392 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACGCGCTGCCTCCGCCCTCCCCGCGGCACCTGCGGCTGCTGCGGCTGCTGCTCTCCGGCCTCG
TCCTCGGCGCGCCCTGCGTGGAGCCGCCCGGCCACCCGGATGTAGCCGCTGTCCGGGAGCCTGGA
CTGTGCCCTGAAGAGCGGGCAAGGTGCTCCTGGTGACATGCCTGTGGGCCCTGCCTTCAGCCCTTC
CAGGAGGACCAGCAAGGGCTCTGTGTGCCAGGATGCGCCGCCCTCCAGGCGGGGCCGGCCCCAGCCCA
GACTGGAAGATGAGATTGACTTCTGGCCAGGAGCTTGCCCGGAAGGAGTCTGGACACTCAACTCCGCC
CCTACCCAAGGACCGACAGCGGCTCCCGGAGCCTGCCACCTGGGCTTCTCGGCACGGGGCAGGGGCTG
GAGCTGGGCTCCCTCCACTCCAGGAACCCCCACGCCACGCCCCACACCTCCCTGGGCTCCCTGTGT
CATCCGACCCGGTGCACATGTGCGCCCTGGAGCCCCGGGGAGGGCAAGGCGACGGCCTCGCCCTGTGCT
GATCCTGGCGTTCTGTGTGGCCGGTGCAGCCGCCCTCCTCGTAGCCTCCCTCTGCTGGTGCAGGCTGCAG
CGTGAGATCCGCCTGACTCAGAAGGCCGACTACGCCACTGCGAAGGCCCTGGCTCACCTGCAGTCCCC
GGATCTCGCTGGGACCAGCGGCTGGCACAGAGCGGGAGATGTACCACTACCAGCACCACCGCAACA
GATGCTGTGCCTGGAGCGGCATAAAGAGCCACCAAGGAGCTGGACACGGCCTCCTCGGATGAGGAGAAT
GAGGACGGAGACTTACGGTGTACGAGTGCCCGGGCCTGGCCCCGACCGGGAAATGGAGGTGCGCAACC
CTCTGTTCGACCAGCCGCACTGTCCGGCCCTGCCGGCCCCAGCTCACCGCCTGCACTGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201415 representing NM_015392
Red=Cloning site Green=Tags(s)

MATPLPPPSRHLRLLRLLL SGLVLGAALRGAAGHPDVAACPGSLDCALKRRARCPPGAHACGPCLQPF
 QEDQQGLCVPRMRPPGGGRPQPRLEDEIDFLAQELARKE SGHSTPPLPKDRQRLPEPATLGF SARGOGL
 ELGLPSTPGTPTPTHTSLGSPVSSDPVHMSPLEPRGGQDGLALV LILAF CVAGAAALSVASLWCRLQ
 REIRLTQKADYATAKAPGSPAAPRI SPGDQRLAQSAEMYHYQHQRQO MLC LERHKEPPKELDTASSDEEN
 EDGDFTVYECPLAPT GEMEVRNPLFDHAAL SAPLPAPSSPPALP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015392

ORF Size: 975 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_015392.4](#)

RefSeq Size: 1554 bp

RefSeq ORF: 978 bp

Locus ID: 56654

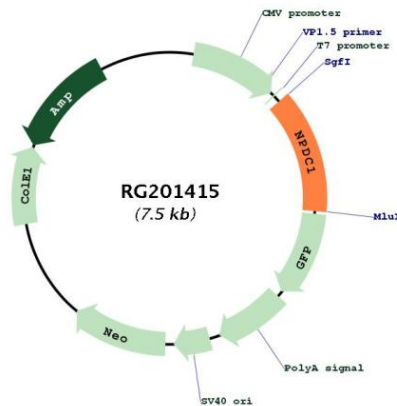
UniProt ID: [Q9NQX5](#)

Cytogenetics: 9q34.3

Protein Families: Transmembrane

Gene Summary: Suppresses oncogenic transformation in neural and non-neural cells and down-regulates neural cell proliferation. Might be involved in transcriptional regulation (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201415