

Product datasheet for **RG207035**

DOS (CBARP) (NM_152769) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DOS
Synonyms:	BARP; C19orf26; DOS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG207035 representing NM_152769
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCACAGCGCCACCACCACCACCACCACCACCCTGCCACAGTAGCCCTGACGACGTCGTGGGACAATG
 CCACTGGACGCCCCACGGCAGAGCCAGACCCATCCTGGACAACTACGTGCTGCTGGTGGTGTATGTC
 GCTGTTCTGTGGGGGACGCTGGTGGTGTGTCTGGCGTCTCTGCTCCTCTGCAAGCGCTGCTGGGACGTC
 CACCAGCGCCTCAACAGGGCCATGGAGGAAGCGGAGAAGACCACCACCTACCTGGACAACGGCACCC
 ACCCAGCCCAAGACCCGACTTCGGGGAGAGGACCCGAGTGCCAGGATGCGGAGACCGAACGCTTCCT
 GTCCACCAGTCCACGGGCGCCGGGTCTCCTTCAATGAGGCGGCGCTGTTTGAGCAGAGCCGCAAGACG
 CAGGACAAGGGTCGCCGTACACACTGACGAGGGGGAATTCCACCACCTGAAGAATGCCCGGCTCACGC
 ACCTGCACCTGCCGCCCTCAAGATTGTCAACATCCACGAGTGTGACTCAGGCGAGGCCAGCTCAGCCAC
 CACGCCCCACCGGCCACCTCTCCAAGGCCACTCTGGCCATCTTCCAGCCCCGGGAAGGCCCTCACC
 GGCCGCTCTGTGGGCCCGAGTCCGCCCTGCCAGGTGACCCCTACAACCTCAGCCGCGGGCGCCACTGACT
 TCGCAGAGATCAGCCCCCTCGGCATCTAGCGACTCTGGGAAGGCACCTTGTGGATGCCGGTACCAGGAG
 CACCAAGGCTGGAGGGCCCGGGGCTGCAGCAGGGCTGGGGAGGCGGGCCCGGATCCGGGGCAGGTACC
 GTTCTGCAGTTCCTACCCGCTGCGCCGCATGCCAGCCTGGATGGGGCCAGCCCCATTTCAAGGTCA
 AGAAGTGGAAGCTGGAGCCAGCCAGCGGCGAGCCAGTCTGGACACGAGAGGTTCCCCCAAGCGGCACCA
 CTTCCAGCGCAGCGGGCAGCCAGTGAGAGCACGAGCAGGAGGAGGGGATGCCCCCAGGAGGACTTC
 ATCCAGTACATTGCCGGGCGGGGACGCCGTGGCCTTCCGCGCCCCGCCCTTTCTGGCAGCCCGC
 CCCCTGCTCTCGCAGGTATTTTTCAGTAGATGGAGGTGCTAGGGGTGGACCTGTGGGCCCTTGGCCCC
 TTCGCCCCCCCCCTAGGCGGCCAGGGAGCGCTCTCCAGGCCCGTGACACGCGCTCGCCTGCCTCCAGC
 GGCAAGGCCCTCCAGAGGCGGACTCACTGGGGCCACCTCTCCAGCATGGACCAGAGGAGGAAGCAGG
 GAGAGACTGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

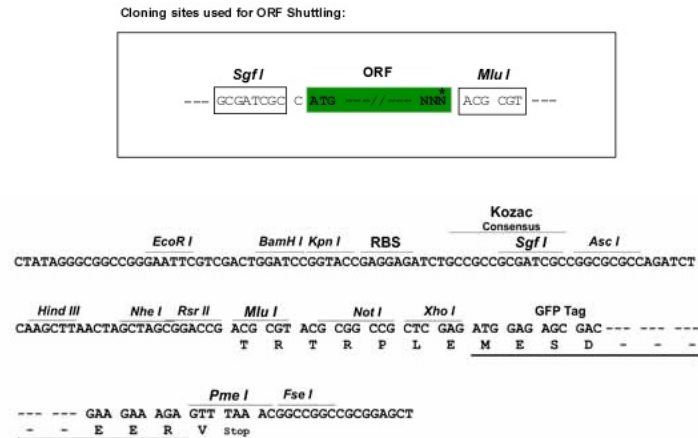
Protein Sequence: >RG207035 representing NM_152769
 Red=Cloning site Green=Tags(s)

MATAATTTTTTATVALTTSWDNATGRPTAEPDPILDNYVLLVVVMSLFVGGTLVVLVSGVLLLCKRCWDV
 HQRLNAMEEAEKTTTTYLDNGTHPAQDPDFRGEDPECQDAETERFLSTSSTGRRVSFNEAALFEQSRKT
 QDKGRRYTLTEGDFHHLKNARLTHLHLPLKIVTIHECDSGEASSATTPHPATSPKATLAIFQPPGKALT
 GRSVGPSSALPGDPYNSAAGATDFAEISPSASSDSGEGTLLDAGTRSTKAGGPGAAAGPGEAGPGSGAGT
 VLQFLTRLRRHASLDGASPYFKVKKWKLPSQRAASLDTRGSPKRHHFQRQRAASETEQEEGDAPQEDF
 IQYIARAGDAVAFPRPRPFLASPPPALGRYFVSDGGARGGPVGPCCPPPPRRRPRERSPGPVDTRSPASS
 GKAPPRGGLTGATSPAWRGGKQGETG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152769

ORF Size: 1341 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:

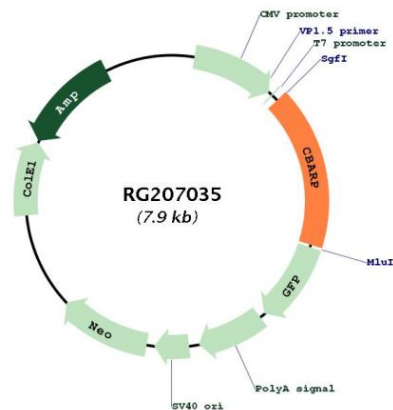
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152769.1](#), [NP_689982.1](#)

RefSeq Size:	2407 bp
RefSeq ORF:	1362 bp
Locus ID:	255057
UniProt ID:	Q8N350
Cytogenetics:	19p13.3
Protein Families:	Transmembrane
Gene Summary:	Negatively regulates voltage-gated calcium channels by preventing the interaction between their alpha and beta subunits. Thereby, negatively regulates calcium channels activity at the plasma membrane and indirectly inhibits calcium-regulated exocytosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207035