

Product datasheet for **SC123283**

DOS (CBARP) (NM_152769) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOS (CBARP) (NM_152769) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOS
Synonyms:	BARP; C19orf26; DOS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_152769 edited
GCCACCGGGCGCCGAGCCAGCCGCGAGCGCCACGCAGCCGCCCGCCAGCCCGCCG
CCATGGGCGGCTCGTCCCGGCGCTGAGGGCCCTCCTCCCAGTTCAAGATGCAGCCACA
GCCACCATGGCCACAGCCGCCACCACCACCACCACCACCTGCCACAGTAGCCCTGACG
ACGTCTGGGACAATGCCACTGGACGCCCCACGGCAGAGCCAGACCCCATCTGGACAAC
TACGTGCTGCTGGTGGTGGTGTGCTGCTGTTCTGGGGGGCACGCTGGTGGTGTGTCT
GGCGTCTGCTCCTCTGCAAGCGCTGCTGGGACGTCCACCAGCGCCTCAACAGGGCCATG
GAGGAAGCGGAGAAGACCACCACCTACCTGGACAACGGCACCCACCCAGCCCAAGAC
CCCGACTTCCGGGGAGAGACCCCGAGTGCCAGGATGCGGAGACCGAACGCTTCTGTCC
ACCAGCTCCACGGGCGCCGGGTCTCCTCAATGAGGCGGCGCTGTTGAGCAGAGCCGC
AAGACGCAGGACAAGGGTCGCCGTACACACTGACGGAGGGGGACTTCCACCACCTGAAG
AATGCCCGGCTCACGCACCTGCACCTGCCGCCCTCAAGATTGTACCATCCACGAGTGT
GACTCAGGCGAGGCCAGCTCAGCCACCACGCCCCACCGGCCACCTCTCCAAGGCCACT
CTGGCCATCTTCCAGCCCCGGGAAGGCCCTCACCAGCGCTCTGTGGGCCCCAGCTCC
GCCCTGCCAGGTACCCCTACAACCTCAGCCGCGGGCGCCACTGACTTCGCAGAGATCAGC
CCCTCGGCATCTAGCGACTCTGGGAAGGCACCTTGTTGGATGCCGGTACCAGGAGCACC
AAGGCTGGAGGGCCCGGGCTGCAGCAGGGCTGGGGAGGCGGGCCCGGGATCCGGGGCA
GGTACCGTTCTGCAGTTCTCACCCGCTGCGCCGCTATGCCAGCCTGGATGGGGCCAGC
CCCTATTTCAAGGTCAAGAAGTGGAAGCTGGAGCCAGCCAGCGGGCAGCCAGTCTGGAC
ACGAGAGGTTCCCCAAGCGGCACCACTTCCAGCGGCAGCGGGCAGCCAGTGAGAGCAG
GAGCAGGAGGAGGGGATGCCCCCAGGAGGACTTCATCCAGTACATTGCCCGGGCGGGC
GACGCCGTGGCCTTCCGCGCCCCCGCCCTTTCTGGCCAGCCCGCCCCCTGCTCTGGC
AGGTATTTTTAGTAGATGGAGGTGCTAGGGGTGACCTGTGGGCCCTTGCCCCCTTCG
CCCCCCCCTAGGCGGCCAGGGAGCGCTCTCAGGCCCGGTGGACACGCGCTCGCCTGCC
TCCAGCGGCAAGGCCCTCCAGAGGCGGACTCACTGGGGCCACCTCTCCAGCATGGACC
AGAGGAGGGAAGCAGGGAGAGACTGGTAAGGGTAGGGCGGTGGGTGGGAGGAGGGGCC
CCCCGAGGATGGCGCTGGTACTGCTGCTTGCTGGTGGAGTCCGAGGCCTGAAGGGTTCTG
CTGTGGTCCCAGGCCCTCTCCACCCCGCCCCGCCATGCTCCCAAGGCTGGGCAGACT
CCTCTCAGAAGCTGCTGTGACCACTCCGGCCAGCAGCACCCCTCCCCAACCCAAGGGCA
ACTTTCCTGAAGCCAGGGCCACGTCGGTGGGATGGGAATGGGGCGTGGGGCTGGGGCA
GAGCAGGGTTCTGGGGCAGCCCTGGTATGGCGGGTGACCCTCACGTCTGTGCACTGTCC
TCCTGCTGGTTATCCAGCATGGGTGGGCAGAGAGCCCTAGCCTGGAGCAGGGGCTGAGCT
GGACTCAACCGCTCCAGTCCATCCCCTGCGGCTCCACGTCCACTGGGAGGCTGGGAAA
ACGTGACTCCCGGAGAGAAGCATGTTGACTTTTCTGGGGGCTTCCAAGGGAGGGGGCCC
CGCCGTCTGCAGTCCAGCATGGAGGCACCCTGCTTATTAAGCAGGCGCCACAGCTCAGGG
TCAATGCAAGACGCATCCCCTGCAAAACACACTGGCTCATTTTAAAGCTCTCACCTTCCA
AGGCCCGCCGAGTCCCAAGTCCACCCGCGTCCACCCTCCCTGATCCAGAGGCGGGATG
GCCGGCCGGGTAGGGGGCGGGGCTCGGCGGGGCTCTGACGGCGCGGCTGGCTTGCA
GCTAGAGGCGGCGAGGCAGCGGGAGGAGCGAGCCCGATTCCCCCGGAGCGCGGCGC
GGGCAGCGCGGGGCTGAGCAGCAGCAGCGGCCACTGGAGCCGGACGCCGAGCGGGACGC
GGGCCCGGAGCAGGCCAGACCAGCTACCGCGACCTGTGGAGCCTGCGCGCTCGCTTGA
GCTGCAT
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152769 unedited <pre> NNTTTTAGCGTTTCATAATATTTGTNAATACGNATTCACTATAGGGCCGGCGCGCGAAATT CCCGGGATGCCACCGGGCGCCGGNACCAGCCGCGAGCGCCACGCAGCCGCCCCGCCGCCAG CCCGCCGCCCATGGGCGCTCGTCCCGGCGCTGAGGGCCCTCCTCCCCAGTTCAGAATGC AGCCACAGCCACCATGGCCACAGCCGCCACCACCACCACCACCACCAGTCCACAGTAG CCCTGACGACGTCGTGGGACAATGCCACTGGACGCCCCACGGCAGAGCCAGACCCCATCC TGGACAACACTACGTGCTGCTGGTGGTGGTATGTGCTGTTCTGTTGGGGGGCAGCTGGTGG TGTGTCTGGCGTCTGCTCCTCTGCAAGCGCTGCTGGGACGTCCACCAGCGCCTCAACA GGGCCATGGAGGAAGCGGAGAAGACCACCACCCTACCTGGACAACGGCACCCACCCAG CCCAAGACCCCGACTTCCGGGGAGAGGACCCCGAGTGCCAGGATGCGGAGACCGAACGCT TCCTGTCCACCAGCTCCACGGGCGCGGGTCTCCTTCAATGAGCGGCGCTGTTTGAGC AGAGCCGCAAGACGCAGGACAAGGTCGCGGTACACACTGACGGAGGGGGAATTCCACC ACCTGAAGAATGCCCGGCTCACGCACCTGCACCTGCCGCCCTCAAGATTGTACCATCC ACGAGTGTGACTCANGCGAGGCCAGCTCAGCCACCACGCCCCACCCGGCCACCTCTCCA AGGCCACTCTGGCCATCTTCCAGCCCCCGGGGAAGGCCCTCACCAGCGCTCTGTGGGCC CAGCTCCGCCCTGCCAGGTGACCCCTTACACTCAGCCGCGGGCGCCACTGACTTCGCAGA GATCAGCCCTCGGCATCT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_152769
Insert Size:	2407 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_152769.1</u> , <u>NP_689982.1</u>
RefSeq Size:	2407 bp
RefSeq ORF:	1344 bp
Locus ID:	255057
UniProt ID:	<u>Q8N350</u>
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]