

Product datasheet for **SC337874**

BOC (NM_001301861) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BOC (NM_001301861) Human Untagged Clone
Tag:	Tag Free
Symbol:	BOC
Synonyms:	CDON2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001301861, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCGTGGGACGATGACGGCGTGGAGAGGAATGAGGCCTGAGGTACACTGGCTTGCCTCCTCTAG
CCACAGCAGGCTGCTTTGCTGACTTGAACGAGGTCCCTCAGGTCACCGTCCAGCCTGCGTCCACCGTCCA
GAAGCCCGGAGGCACTGTGATCTTGGGCTGCGTGGTGAACCTCCAAGGATGAATGTAACCTGGCGCCTG
AATGGAAGGAGCTGAATGGCTCGGATGATGCTCTGGGTGTCCTCATCACCACGGGACCCTCGTCATCA
CTGCCCTTAACAACCACACTGTGGGACGGTACCAGTGTGTGGCCCGGATGCCTGCGGGGGCTGTGGCCAG
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GGTCAAACAAGAGTGGCTGGAGGCCTCCAGAGGTAACCTACCTGATCATGCCCTCAGGGAACCTCCAGAT
TGTGAATGCCAGCCAGGAGGACGAGGGCATGTACAAGTGTGCAGCCTACAACCCAGTGACCCAGGAAGTG
AAAACCTCCGGCTCCAGCGACAGGCTACGTGTGCGCCGCTCCACCGCTGAGGCTGCCCGCATCATCTACC
CCCCAGAGGCCAAACCATCATCGTCACCAAAGGCCAGAGTCTCATTCTGGAGTGTGTGGCCAGTGGAAAT
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CTGAGCAACCTCCTCATCGACACCACGAGGAGGACTCAGGCACCTACCGTGCATGGCCGACAATG
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CTGGTGTGGCGGCTCGGCATGAGGGCAGTGGCCGGGCGCAATCCTCTACTATGTGGTGAACACCGCA
AGCAGGTCACAAATTCCTGACGATTGACCATCTCTGGCATTCCAGCCAACAGCACCCTGACCT
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CACCAGACTTGACCCCGGAGCTTGATGAAGTGGAGATGGCAGCTTACAACTGTGCGGGAGAGGGCCAG
ACAGCCATGGTCACCTTCGAACTGGACGGCGGCCAAACCCGAGATCATGGCCAGCAAAGAGCAGCAGA
TCCAGAGAGACGACCCTGGAGCCAGTCCCAGAGCAGCAGCCAGCCAGACCACGGCCGCTCTCCCCC
AGAAGCTCCCAGAGGCCACCATCTCCACGGCTCCGAGACCTCAGTGTACGTGACCTGGATTCCCCGT
GGGAATGGTGGTTCCCAATCCAGTCTCCGTGTGGAGTACAAGAAGCTAAAGAAAGTGGGAGACTGGA
TTCTGGCCACCAGCGCCATCCCCCATCGCGGCTGTCCGTGGAGATCACGGGCCTAGAGAAAGGCACCTC
CTACAAGTTTCGAGTCCGGGCTCTGAACATGCTGGGGGAGAGCGAGCCAGCGCCCTCTCGGCCATC
GTGGTGTGCGGCTACAGCGGTGCGGTGTACGAGAGGCCCGTGGCAGGTCCTTATACACCTTCACGGATG
CGGTCAATGAGACCACCATCATGCTCAAGTGGATGTACATCCCAGCAAGTAAACAACACCCCAATCCA
TGGCTTTTATATCTATTATCGACCCACAGACAGTGACAATGATAGTGACTACAAGAAGGATATGGTGGAA
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CCAGCCTGGTGGTACTGCCACCCCAACTCTGGCCCCACCAGCCGCCCTTCTGAAACCATAGAGCGG
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TGCCCGACGACTCCACTACCAGCTGCTGCAGCCCCATCAGACTGCTGCCAACGCCAGGAGCAGCCTGC
TGCTGTGGCCAGTCAGGGGTGAGGAGAGCCCCGACAGTCTGTCTGGAAGCAGTGTGGGACCCCTCCA
TTTCACTCAGGGCCCCATGCTGCTTGGCCCTTGTGCCAGTTGAAGAGGTGGACAGTCTGACTCCTGCC
AAGTGAGTGGAGGAGACTGGTGTCCCCAGCACCCGTTAGGGGCCTACGTAGGACAGGAACCTGGAATGCA
GCTCTCCCCGGGGCCACTGGTGGTGTGCTTTTGAACACCACCTCTACAATTAG

Restriction Sites: SgfI-MluI

ACCN: NM_001301861

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: [NM_001301861.1](#), [NP_001288790.1](#)

RefSeq Size: 4339 bp

RefSeq ORF: 3348 bp

Locus ID: 91653

UniProt ID: [Q9BWV1](#)

Cytogenetics: 3q13.2

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene is a member of the immunoglobulin/fibronectin type III repeat family. It is a component of a cell-surface receptor complex that mediates cell-cell interactions between muscle precursor cells, and promotes myogenic differentiation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).