

Product datasheet for **SC334836**

BEN Domain Containing Protein 5 (BEND5) (NM_001302082) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BEN Domain Containing Protein 5 (BEND5) (NM_001302082) Human Untagged Clone
Tag:	Tag Free
Symbol:	BEND5
Synonyms:	C1orf165
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001302082, the custom clone sequence may differ by one or more nucleotides

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ATGGACAGTCTAGAAGATGCTGTGGTGCCTCCGGGCTCTGTATGAGGAGCTGCTGCGCAACTACCAGCAGC
AACAGGAAGAGATGCGCCACCTCCAGCAGGAGCTGGAGCGGACTCGGAGGCAGCTGGTACAACAGGCCAA
GAAGCTCAAGGAGTACGGGGCACTTGTGTCTGAAATGAAGGAGCTCCGTGACCTAACCGGAGGCTCCAG
GACGTGCTGCTCCTGCGGCTTGGCAGCGGTCCCGCCATTGATCTGGAAAAAGTAAAGTCAGAATGTCTCG
AGCCCGAGCCGGAGTTACGGAGCACTTTCAGTGAGGAAGCAAATACGTCGTCCTATTACCCCGCTCCTGC
GCCTGTCATGGACAAGTATATCCTAGACAATGGCAAGGCCATCTGGGAAGCGGGATTTGGGTTGATGAG
GAGAAATGGCACCAGCTACAAGTAACCCAAGGAGATTCCAAGTACACGAAGAAGTTGGCAGTTATGATTT
GGGGAACAGATGTTCTGAAAACAGAAGCGTCACAGGCGTCGCCACAAAAAAGAAAGATGCAGTCCC
TAAACCACCCCTCTCGCCTCACAACTAAGCATCGTCAGAGAGTGTGTTGATGACAGAATAGCACAAGAA
ACTGTGGATGAACTGAAATTGCACAGAGACTCTCAAAGTCAACAAGTACATCTGTGAAAAAATCATGG
ATATCAATAAATCCTGTAAAAATGAAGAACGAAGGAAGCAAAATACAATTTGCAATAA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001302082
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).



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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:	<u>NM_001302082.1</u> , <u>NP_001289011.1</u>
RefSeq Size:	1863 bp
RefSeq ORF:	759 bp
Locus ID:	79656
UniProt ID:	<u>Q7L4P6</u>
Cytogenetics:	1p33
Gene Summary:	Acts as a transcriptional repressor (PubMed:23468431).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice site at an internal exon, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to isoform 1. Variants 2, 3, and 4 all encode the same isoform (2).