

Product datasheet for **RG228354**

BEND4 (NM_001159547) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BEND4
Synonyms:	CCDC4
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG228354 representing NM_001159547
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGGAAGAGATGCAGCCGGCAGAGGAGGGGCCAGCGTCCCCAAAATCTACAAGCAGCGCAGCCCT
ACAGCGTCTCAAGACGTTCCCGCAGCAAGAGACCGGCGCTGGCCAAGCGCTACGAGCGACCCACCTGGT
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AGCAGCAGCGAGCGCGCGCCGAGCAGTTCAGGCGCAGAGCTCTACCCCCCGGGCCCGCGGGCCG
CCGCCCGCGTTCGTCGTCGTCGCGCGTCTGCACGCCGCCACATCCAGGGCCACTTGAGGACTCCGGC
GCAGCGCGCGCGCGTCCCCCGCGCCTCTCGTCGTCCTTCGTCGCGCGTGTCTCAGGTATGCCCCA
GGCGCGGGCGCGCGCGCCGCGCACCGGCGGACGGGTAGCGACAGCGCCAGCCTGGAGCTCAGCGCAGAGA
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ACCATCTTCATCTACACTGCCAGAAGAGGAGGAGGAGGAGGACGAGGAAGGCTATTGTCTCGATGCCA
AGAGCTGGAGCAGGAGTTATTTCACTGCAACAAGAAAATGAAGAGCTCAGAAGGAAATTAGAGAGCATC
CCAGTGCCTGCCAGACGTTTATGATTACTTGAAGATGGTTCTGCAGCACCACAACCAACTCTGATAC
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CAAACAGTGGGATGAGGCTGTAAATCTTCAAAGAAAGATGGGAGACGGCTCCTTCGATACCTCATCAGA
TTTGTTCACAAACCGATGAGCTTAAGTACTCATGCGGCCTTGGGAAAAGGAAAGAATTTCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG228354 representing NM_001159547

Red=Cloning site Green=Tags(s)

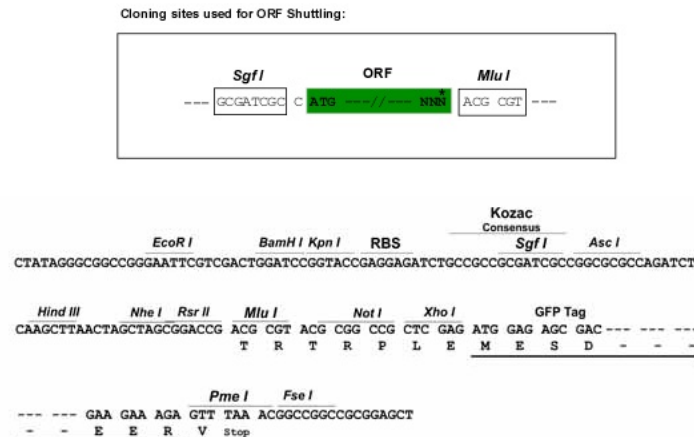
MEEEMQPAEEGPSVPKIYKQSPYSVLKTFPSKRPALAKRYERPTLVLPVHRAPPPPPPPFAPHAAVSI
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PVPCQTVLDYLMVLQHHNQLLIPQADQPTGSKQLLNYPVYITSKWDEAVNSSKKDGRRLRLRYLIR
FVFTTDELKYSGLGKRRIH

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001159547

ORF Size:

1323 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_001159547.2

RefSeq Size: 8779 bp

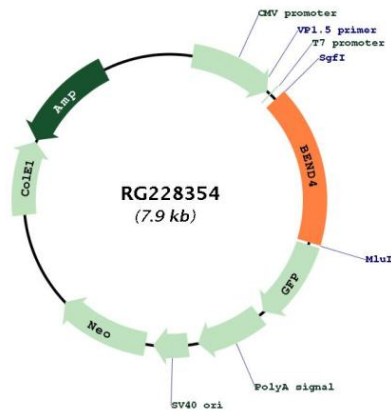
RefSeq ORF: 1326 bp

Locus ID: 389206

UniProt ID: Q6ZU67

Cytogenetics: 4p13

Product images:



Circular map for RG228354