

Product datasheet for **MG227449**

Bco1 (NM_001163028) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bco1 (NM_001163028) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bco1
Synonyms:	Bcd; Bcdo; Bcdo1; Bcmo; Bcmo1; beta-C; beta-CD; betaCM; betaCMOOX; Cm; CMO1; Cmoi
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG227449 representing NM_001163028
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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 CAACCATTTGGTTTGGTGGCTGGCCCTTCTCCACAGTTTCTCCATCAGAGATGGGAGGTCTTCTACAGG
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 GGATGAAGATGATGTCCCTTGCAGGCCAAGCAGAGACTGTGGAGTCCAAGGGCCCATCGTAAATCACAT
 TGTCAGCTGAGCATAGCATGTGTGCTGAGATCTCAGCATTGGGAGGCAGACAGAAGACAATCAGGGGT
 CTACAGTCATTCTCAGATATACAGAGAATTTGAATAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG227449 representing NM_001163028
 Red=Cloning site Green=Tags(s)

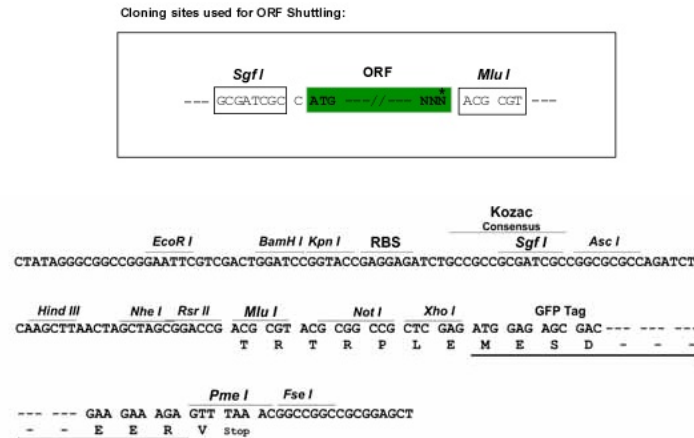
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TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

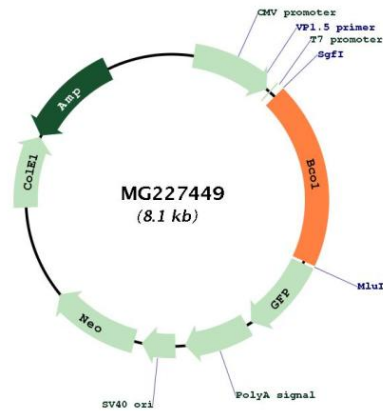


ACCN:	NM_001163028
ORF Size:	1578 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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_001163028.1 , NP_001156500.1
RefSeq Size:	2532 bp
RefSeq ORF:	1581 bp
Locus ID:	63857

Cytogenetics: 8 E1

Gene Summary: Vitamin A metabolism is important for vital processes such as vision, embryonic development, cell differentiation, and membrane and skin protection. The protein encoded by this gene is a key enzyme in beta-carotene metabolism to vitamin A. It catalyzes the oxidative cleavage of beta,beta-carotene into two retinal molecules. Two alternatively spliced variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009]

Product images:



Circular map for MG227449