

Product datasheet for **RG223523**

BIVM (NM_017693) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BIVM (NM_017693) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BIVM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223523 representing NM_017693
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTAACGTTGCAGAAACAGAAAGTCAAATGATTCTGAAATGGTGAGCACAATCTGAGAGAAAGT
 CACCTGAAGAGAATCTACAAGGTGCTGTAAAATCTTTCTGCACAAGTGCCTCAGGAGCACCTTGGGTCC
 CAAAGGAGATGGTCATTATCCATGGAGTTGCCAGTGACTCATACACGGGAAAAATTTATGCCATCTGT
 TCGGACTATGCCTTTCTCAACCAGGCGACCTCAATCTATAAACTCCAAATCCATCCCGCTCCTTGCC
 TCCCTGATAGTACCTCTTATCTGCTGGAAATAATTCATCAAGATACATTGGTATCCCGACTAGTACATC
 GGAAATATCTACAATGAAGAAAATAGCTTGGAAAATTTCAACAGCCTGGGCAAGCTACCTCTCGCA
 TGGGAAATTGATAAATCTGAATTTGATGGGGTACCACAAATTCGAAACACAAATCAGGCAATGCAAGA
 AACAGTTTCAAGAGAAAACTTCAGATAAAAAGGGAAGATATCAGAAGGAATGCTCCTCAGCATTCTCC
 TCTTGAAGATATTAACAGCGGAAAGTATTAGACCTCAGACGATGGTACTGCATAAGCCGACCACAGTAT
 AAGACTTCTTGTGGCATCTTTCATTAATTTCTTGTGGAAATTTCTTATACAGCACAAATGGGAGCTGGAA
 ACCTTCCACCTATTACCAAGAAGAAGCTTACATATTCTGGGCTTTCAACCTCCATTTGAAGATATTAG
 GTTTGGTCTTTACGGGAATACAACACTTATGAGGTGGTTAGACAAATTAATGACCCTTCCATGTA
 AAAGGATGCTCTTATGTTCTATAAAGCCTCATGGGAAGAATAAACAGCAGGAGAACTGCTTCAGGGG
 CCCTGTCAAAGTTAACCCGTGGATTGAAAGATGAATCGCTGGCTTATATCTATCATTGCCAAAATCATT
 TTTTGTCCAATTGGCTTGAAGCAACCCCTGTTAAAGCTAATAAAGCATTACAGCAGGGGACCTCTCTCA
 CCACAGGAAGTTGAATATTGGATCTTAATTGGAGAATCAAGTAGAAAACATCCTGCCATTCAGTGTAAAA
 AATGGGCAGATATTGTTACTGATCTAAACACTCAAAATCCAGAATACCTGGATATCCGGCACTTAGAGAG
 GGGACTGCAGTATAGAAAAACAAGAAGTTGGGGGAAATTTGCATTGCATCATAGCATTCCAGAGACTT
 AACTGGCAAAGATTTGGCCTTTGGAACCTTCCATTTGGAACCATTAGACAAGAATCACAACCTCCAACAC
 ATGCCAGGGAATTGCCAAATCTGAGAGTGAAGACAATTTTCCAAGAAGCAGCATGGGCGTCTGGGCCG
 GTCTTTCAGTGTAGTTCCATCAGGACTCGGCATGGAAAAAGATGTCTAGTATCCATGAGAGAAGGAAC
 AGTGGTTACCAGGTTACAGTATTACGATGGGAATGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223523 representing NM_017693
 Red=Cloning site Green=Tags(s)

MPNVAETERSNDSNGEHLKSERKSPEENLQGAVKSFCTASGAPLGPKGDPWSCPVTHTREKIYAI
 SDYAFLNQATSIYKTPNPSRSPCLPDSTLSAGNNSRYIGIPTSTSEIIYNEENSLNLSNLGKLPLA
 WEIDKSEFDGVTNSKHKSGNAKKQVSKRKTSDKKGRYQKECPQHSPLEDIKQRKVLDRRWYICISRPQY
 KTCGIISSLI SCWNFLYSTMGAGNLPPITQEEALHILGFQPPFEDIRFGPFTGNLTLMRWFRQINDHFHV
 KGCSYVLYKPHGKNKTAGETASGALSKLTRGLKDESLAYIYHCQNHYFCPIGFEATPVKANKAFSRGPLS
 PQEVEYWIILIGESSRKHPAIHCKKWADIVTDLNTQNPEYLDIRHLERGLQYRKTKKVGGNLHCIIAFQRL
 NWQRFGLWNFPFGTIRQESQPPTHAQGIKSESEDNISKKQHGRGLGRSFSASFHQDSAWKMKSSIHERRN
 SGYQGYSDYDGN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_017693

ORF Size: 1509 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.

RefSeq: [NM_017693.4](#)

RefSeq Size: 3857 bp

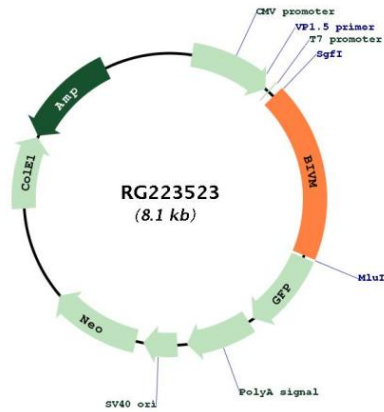
RefSeq ORF: 1512 bp

Locus ID: 54841

UniProt ID: [Q86UB2](#)

Cytogenetics: 13q33.1

Product images:



Circular map for RG223523