

Product datasheet for **RG214565**

BVES (NM_147147) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BVES (NM_147147) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BVES
Synonyms:	CARICK; HBVES; LGMD2X; LGMDR25; POP1; POPDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214565 representing NM_147147 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATTATACAGAGTCCAGCCATTGAGAGAATCAACTGCCATAGGTTTTACACCTGAGTTAGAAAGTA
TCATACCTGTGCCTTCCAATAAGACCACCTGTGAAAACCTGGAGAGAGATACATCATCTGGTTTTTCATGT
AGCAAATATTTGTTTTGCAGTTGGGTTGGTTATCCAACACTCTCACCTTCATATGATATTTCTTAGG
GGAATGTTAACTCTAGGATGTACCCTTTATATCGTCTGGGCCACTCTACCGATGTGCCTGGATATAA
TGATCTGGAACCTGTGTTCTTGGGTGTCAACATTTTGCATCTGTCGTATCTTTTATACAAGAAGAGACC
GGTAAAGATTGAAAAGGAACCTCAGTGGCATGTACCGGCGATTGTTGAACCACTCCGTGTGCCTCCAGAT
TTGTTCCAGAAGACTAACTGGACAGTTTTGCATGATCCAAACCTTGAAAAAGGGCCAAACTTATGCTGCAG
AGGATAAAACCTCAGTTGATGACCGTCTGAGTATTCTCTTGAAGGGAAAAATGAAGGTCTCCTATCGAGG
ACATTTTCTGCATAACATTTACCCTGTGCCTTATAGATTCTCCTGAATTTAGATCAACTCAGATGCAC
AAAGGTGAAAAATCCAGGTCACCATTATTGCAGATGATAACTGCAGATTTTTATGCTGGTCAAGAGAAA
GATTAACATACTTTCTGGAATCAGAACCTTTCTGTATGAAATCTTTAGGTATCTTATTGGAAAAGACAT
CACAAATAAGCTCTACTCATTGAATGATCCACCTTAAATGATAAAAAAGCCAAAAGCTGGAACATCAG
CTCAGCCTTGACACACAGATCTCCATGTTGAAATGAGGAACAGTATAGCCAGCTCCAGTGACAGTGACG
ACGGCTTGACACCAGTTTCTTCGGGTACCTCCAGCATGTCTCTTTCATGTGTACATCCCCACCCAGCG
AGCCTCTGCCAAGATGAAACCGATAGAAGAAGGAGCAGAAGATGATGATGACGTTTTTGAACCGGCATCT
CCAATACATTGAAAGTCCATCAGCTGCCT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG214565 representing NM_147147
 Red=Cloning site Green=Tags(s)

MNYTESSPLRESTAIGFTPELESIIIPVPSNKTTCENWREIHHLVFHVANICFAVGLVIPTTLHLHMIFLR
 GMLTLGCTLYIYWATLYRCALDIMIWNVFLGVNHLHLSYLLYKKRPVKIEKELSGMYRRLFEPLRVPPD
 LFRRLTGQFCMIQTLKKGQTYAAEDKTSVDDRLSILLKGMKVSYRGHFLHNIYPCAFIDSPEFRSTQMH
 KGEKFQVTIIADDNCRFLCWSRERLTYFLESEPFLEYEIFYRLIGKDITNKLYSLNDPTLNDKKAKKLEHQ
 LSLCTQISMLEMRNSIASSSDSDGLHQFLRGTSSMSSLHVSSPHQRASAKMKPIEEGAEDDDVFEFAS
 PNTLKVHQLP

TRTRPLE - GFP Tag - V

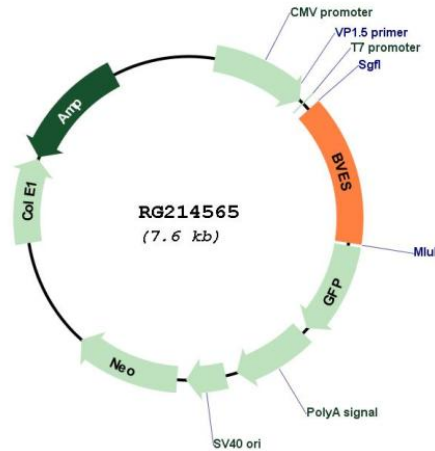
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_147147

ORF Size:	1080 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:	<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:	NM_147147.3
RefSeq Size:	5507 bp
RefSeq ORF:	1083 bp
Locus ID:	11149
UniProt ID:	Q8NE79
Cytogenetics:	6q21
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the POP family of proteins containing three putative transmembrane domains. This gene is expressed in cardiac and skeletal muscle and may play an important role in development of these tissues. The mouse ortholog may be involved in the regeneration of adult skeletal muscle and may act as a cell adhesion molecule in coronary vasculogenesis. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Dec 2010]