

Product datasheet for **MG218805**

Bst1 (NM_009763) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bst1 (NM_009763) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Bst1
Synonyms: 114/A10; A530073F09; BP-3; Bp3; Bsta1; CD157; Ly65
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218805 representing NM_009763
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGTCCAGGGAGGCCTGTTGTCTCTGTGGCTGTGGCTATGGCTGTCCTTGCTGACAGTGCTTCTGG
 GGGCAAGAGCGCGGTGGACAGGGGAGGGTACCCTCCTCACCTCCAGAGCATCTTCTGGGCCGCTGCGC
 AGAGTACACCACGCTGCTGAGCCTGGGGAACAAAACTGCACAGCCATCTGGGAGCCTTCAAGGGGGTG
 CTGGACAAGGACCCTGCTCTGTGCTCCCCTCAGACTATGATCTCTTCAACCTCTCCAGGCACCCCA
 TTCTTAGGACAAGTCACTGTTCTGGGAGAATAACCACCTGCTCGTTATGAGCTATGGGGAACACCCG
 CCGCCTCGTGGCCCTGTGCGACGTGCTGTATGGCAAAGTTGGCGATTTCTTGAGCTGGTGTGACAGGAA
 AATGCCTCTGGACTTGACTACCAGTCTGCCCCACATCAGAAGACTGTGAAAACAACGCCGTGGACTCCT
 ATTGAAAAGTGCATCCATGCAGTATTCAAGAGACAGTTCAGGGGTGATCAACGTGATGCTGAATGGCTC
 GGAGCCAAAAGGAGCCTATCCCACGAGAGGGTTTTTTCAGATTTTGAATCCCCTACTTACAAAAGGAT
 AAAGTCAAGAATAGAGATCTGGGTTATGCATGACGTTGGAGGGCCCAATGTGGAATCCTGTGGCGAAG
 GCAGTGTAAAAATCCTGGAAGACAGATTGGAGGCCCTGGGTTCCAGCACAGCTGTATCAATGACTACCG
 ACCAGTGAAGTTCTTAATGTGTGTGGACCACAGCACTACCCCGACTGTATCATGAACTCAGCCTCAGCA
 TCTATGCGGAGGGAGAGCGCATCTTTCATGCAATAGGAGACGCCAGCCTTCTCATTCTCTTAGTAG
 CTTTGGCTTCAAGTTCTCAGGCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218805 representing NM_009763
 Red=Cloning site Green=Tags(s)

MAVQGGLLSLWLWLWLSLLTVLLGARARWTGEGTTPHLQSI FLGRCAEYTTLLSLGNKNCTAIWEAFKGV
 LDKDPCSVLPDYDLFINLSRHP IPRDKSLFWENNHL VMSYGENTRRLVALCDVLYGKVGDFLSWCRQE
 NASGLDYQSCPTSEDCENNAVD SYWKSASMQYSRDSSGVINVM L NGSEPKGAYPTRGFFADFEIPYLQKD
 KVTRIEIWMHDVGGPNVESC GEGSVKILEDRLEALGFQHSCINDYRPVKFLMCDVDHSTHPDCIMNSASA
 SMRRRESASLHAIGDASLLISLLVALASSSQA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009763

ORF Size: 933 bp

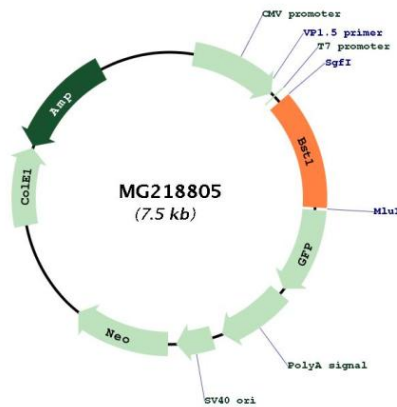
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

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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_009763.3</u> , <u>NP_033893.2</u> |
| RefSeq Size: | 2336 bp |
| RefSeq ORF: | 936 bp |
| Locus ID: | 12182 |
| UniProt ID: | <u>Q64277</u> |
| Cytogenetics: | 5 23.84 cM |
| Gene Summary: | Synthesizes the second messengers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger that elicits calcium release from intracellular stores. May be involved in pre-B-cell growth.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MG218805