

Product datasheet for **RG230795**

BTN3A2 (NM_001197249) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | BTN3A2 (NM_001197249) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | BTN3A2 |
| Synonyms: | BT3.2; BTF4; BTN3.2; CD277 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG230795 representing NM_001197249 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATGGCAAGTTCCTGGCTTTCCTTCTGCTCAACTTTCATGTCTCCCTCCTTGGTCCAGCTGC
TCACTCCTTGCTCAGCTCAGTTTTCTGTGCTTGGACCTCTGGGCCATCCTGGCCATGGTGGTGAAGA
CGCTGATCTGCCCTGTCACCTGTCCCGACCATGAGTGCAGAGACCATGGAGCTGAAGTGGTAAAGTTCC
AGCCTAAGGCAGGTGGTGAACGTGTATGCAGATGGAAAGGAAGTGAAGACAGGCAGAGTGCACCGTATC
GAGGGAGAACTTCGATTCTGCGGGATGGCATCACTGCAGGAAGGCTGCTCTCGAATACACAACGTCAC
AGCCTCTGACAGTGGAAAGTACTTGTGTTATTTCCAAGATGGTGACTTCTATGAAAAAGCCCTGGTGGAG
CTGAAGGTTGCAGCACTGGGTTCTAATCTTACAGTCAAGTGAAGGGTTATGAGGATGGAGGGATCCATC
TGGAGTGCAGGTCCACCGGCTGGTACCCCAACCCCAATACAGTGGAGCAACGCCAAGGGAGAGAACAT
CCCAGCTGTGGAAGCACCTGTGGTTGCAGATGGAGTGGGCCTATATGAAGTAGCAGCATCTGTGATCATG
AGAGGCGGCTCCGGGGAGGGTGTATCCTGCATCATCAGAAATTCCTCCTCGGCCTGGAAAAACAGCCA
GCATTTCCATCGCAGACCCCTTCTCAGGAGCGCCAGCCCTGGATCGCAGCCCTGGCAGGGACCCCTGCC
TATCTTGCTGCTGCTTCTCGCCGGAGCCAGTTACTTCTTGTGGAGACAACAGAAGGAAATAACTGCTCTG
TCCAGTGAATAGAAAGTGAAGAGATGAAAGAAATGGGATATGCTGCAACAGAGCGGGAAATAAGCC
TAAGAGAGAGCCTCCAGGAGGAACCTCAAGAGGAAAAAATCCAGTACTTGACTCGTGGAGAGGAGTCTTC
GTCCGATACCAATAAGTCAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG230795 representing NM_001197249
 Red=Cloning site Green=Tags(s)

MKMASSLAFLLLNFHVSLLLVLQLLTPCSAQF SVLGPSGPIAMVGEDADLPCHL FPTMSAETMELKWVSS
 SLRQVVVYADGKEVEDRQSAPYRGRSILRDGITAGKAALRIHNVTASDSGKYL CYFQDGFYEKALVE
 LKVAALGSNLHVEVKGYEDGGIHL ECRSTGWYQPQIQWSNAKGENIPAVEAPVVADGVGLYEVAASVIM
 RGGSGEGVSCIIRNSLLGLEKTASISIA DPF FRS AQPWIAALAGTLPILL LLLLAGASYFLWRQQEITAL
 SSEIESEQEMKEMGYAATEREISLRESLQEELKRKKIQYLTRGEESSD TNKSA

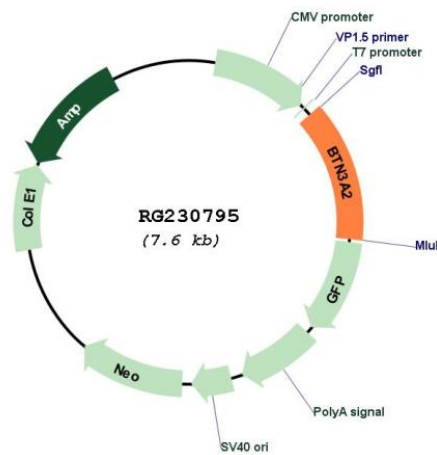
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001197249

ORF Size: 1005 bp

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|-------------------------------|---|
| 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_001197249.1 |
| RefSeq Size: | 3733 bp |
| RefSeq ORF: | 879 bp |
| Locus ID: | 11118 |
| UniProt ID: | P78410 |
| Cytogenetics: | 6p22.2 |
| Protein Families: | Druggable Genome, Transmembrane |
| Gene Summary: | This gene encodes a member of the immunoglobulin superfamily, which resides in the juxtatelomeric region of the major histocompatibility class 1 locus and is clustered with the other family members on chromosome 6. The encoded protein may be involved in the adaptive immune response. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2013] |