

Product datasheet for RC230795

BTN3A2 (NM_001197249) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTN3A2 (NM_001197249) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BTN3A2
Synonyms:	BT3.2; BTF4; BTN3.2; CD277
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC230795 representing NM_001197249 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAATGGCAAGTTCCTGGCTTTCCTTCTGCTCAACTTTCATGTCTCCCTCCTTTGGTCCAGCTGC
TCACTCCTTGCTCAGCTCAGTTTTCTGTGCTTGGACCTCTGGGCCATCCTGGCCATGGTGGTGAAGA
CGCTGATCTGCCCTGTCACCTGTCCCGACCATGAGTGCAGAGACCATGGAGCTGAAGTGGTAAAGTTCC
AGCCTAAGGCAGGTGGTGAACGTGTATGCAGATGGAAAGGAAGTGAAGACAGGCAGAGTGCACCGTATC
GAGGGAGAACTTCGATTCTGCGGGATGGCATCACTGCAGGGAAGGCTGCTCTCCGAATACACAACGTAC
AGCCTCTGACAGTGGAAAGTACTTGTGTTATTTCCAAGATGGTGACTTCTATGAAAAAGCCTGGTGGAG
CTGAAGGTTGCAGCACTGGGTTCTAATCTTACGTGCAAGTGAAGGGTTATGAGGATGGAGGGATCCATC
TGGAGTGCAGGTCCACCGGCTGGTACCCCAACCCAAATACAGTGGAGCAACGCCAAGGGAGAGAACAT
CCCAGCTGTGGAAGCACCTGTGGTTGCAGATGGAGTGGGCCTATATGAAGTAGCAGCATCTGTGATCATG
AGAGCGGCTCCGGGAGGGTGTATCCTGCATCATCAGAAATCCCTCCTCGGCTGGAAAAGACAGCCA
GCATTTCCATCGCAGACCCCTTCTCAGGAGCGCCAGCCCTGGATCGCAGCCCTGGCAGGGACCCCTGCC
TATCTTGCTGCTGCTTCTCGCCGAGCCAGTTACTTCTTGTGGAGACAACAAGAAATAACTGCTCTG
TCCAGTGAAGATAGAAAGTGAAGAGATGAAAGAAATGGGATATGCTGCAACAGAGCGGAAATAAGCC
TAAGAGAGAGCCTCCAGGAGAACTCAAGAGGAAAAAATCCAGTACTTGACTCGTGGAGAGGAGTCTTC
GTCCGATACCAATAAGTCAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC230795 representing NM_001197249
 Red=Cloning site Green=Tags(s)

MKMASSLAFLLLNFHVSLLL VQLLTPCSAQF SVLGPSGPI LAMVGEDADLPCHL FPTMSAETMELKWVSS
 SLRQVVNYYADGKEVEDRQSAPYRGRTSILRDGITAGKAALRIHNVTASDSGKYL CYFQDGFYEKALVE
 LKVAALGSNLHVEVKGYEDGGIHL ECRSTGWYPO PQIQWSNAKGENIPAVEAPVVADGVGLYEVAASVIM
 RGGSGEGVSCIIRNSLLGLEKTASIS IADPFFRSAQPWIAALAGTLP ILLLLLAGASYFLWRQQKEITAL
 SSEIESEQEMKEMGYAATEREISLRESLQEELKRKKIQYLTRGEESSDNTKSA

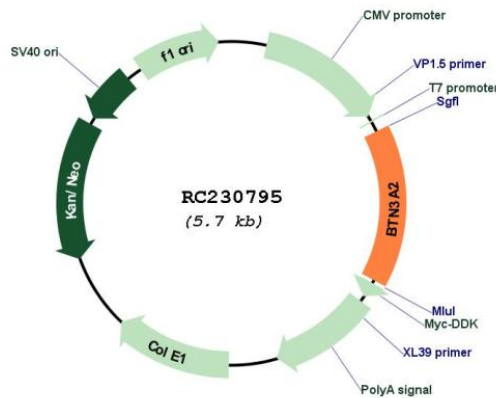
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001197249

ORF Size: 1005 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_001197249.1 , NM_001197249.2 , NP_001184178.1
RefSeq Size:	3733 bp
RefSeq ORF:	879 bp
Locus ID:	11118
UniProt ID:	P78410
Cytogenetics:	6p22.2
Protein Families:	Druggable Genome, Transmembrane
MW:	36.4 kDa
Gene Summary:	This gene encodes a member of the immunoglobulin superfamily, which resides in the juxta-telomeric 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]