

Product datasheet for **RG220628**

CD272 (BTLA) (NM_001085357) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD272 (BTLA) (NM_001085357) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BTLA
Synonyms:	BTLA1; CD272
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220628 representing NM_001085357 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGACATTGCCTGCCATGCTTGGAAGTGGAAATTATTTGGGTCTTCTTAAATCCCATATCTGG
ACATCTGGAACATCCATGGGAAAGAATCATGTGATGTACAGCTTTATATAAAGAGACAATCTGAACACTC
CATCTTAGCAGGAGATCCCTTTGAACTAGAATGCCCTGTGAAATACTGTGCTAACAGGCCTCATGTGACT
TGTTGCAAGCTCAATGGAACAACATGTGTAAAACCTGAAGATAGACAAACAAGTTGGAAGGAAGAGAAGA
ACATTTTCATTTTTCATTCTACATTTTGAACCAGTGCTTCTAATGACAATGGGTCATACCGCTGTTCTGC
AAATTTTCAGTCTAATCTCATTGAAAGCCACTCAACAACCTTTTATGTGACAGGAAAGCAAATGAACCT
TCTGACACAGCAGGAAGGAAATTAACCTGGTTGATGCTCACCTTAAGAGTGAGCAAACAGAAGCAAGCA
CCAGGCAAAATCCCAAGTACTGCTATCAGAACTGGAATTTATGATAATGACCCCTGACCTTTGTTTCAG
GATGCAGGAAGGGTCTGAAGTTTATTCTAATCCATGCCTGGAAGAAAACAACCAGGCATTGTTTATGCT
TCCCTGAACCATCTGTCTATTGGACCGAAGTCAAGACTGGCAAGAAATGTAAAAGAAGCACCACAGAAT
ATGCATCCATATGTGTGAGGAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG220628 representing NM_001085357
 Red=Cloning site Green=Tags(s)

MKTLPAMLGTGKLFWVFFLIPYLDIWNHIGKESCDVQLYIKRQSEHSILAGDPFELECPVKYCANRPVHT
 WCKLNGTTCVKLEDRQTSWKEEKNISFFILHFEPVLPNDNGSYRCSANFQSNLIESHSTTLVYVTGKQNEL
 SDTAGREINLVAHLKSEQTEASTRQNSQVLLSETGIYDNDPDLCFRMQEGSEVYSNPCLLENKPGIYVA
 SLNHSVIGPNSRLARNVKEAPTEYASICVRS

TRTRPLE - GFP Tag - V

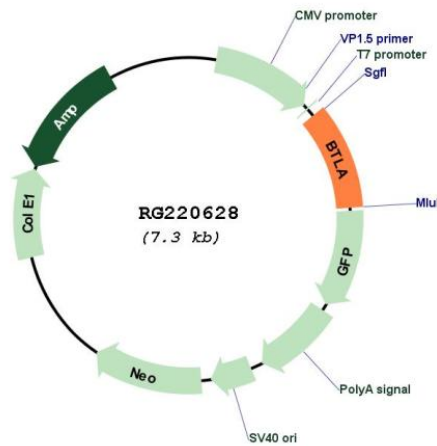
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001085357

ORF Size: 723 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_001085357.2
RefSeq Size:	3072 bp
RefSeq ORF:	726 bp
Locus ID:	151888
UniProt ID:	Q7Z6A9
Cytogenetics:	3q13.2
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the immunoglobulin superfamily. The encoded protein contains a single immunoglobulin (Ig) domain and is a receptor that relays inhibitory signals to suppress the immune response. Alternative splicing results in multiple transcript variants. Polymorphisms in this gene have been associated with an increased risk of rheumatoid arthritis. [provided by RefSeq, Aug 2011]