

Product datasheet for **RG221247**

ABCC10 (NM_033450) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCC10 (NM_033450) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABCC10
Synonyms:	EST182763; MRP7; SIMRP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221247 representing NM_033450 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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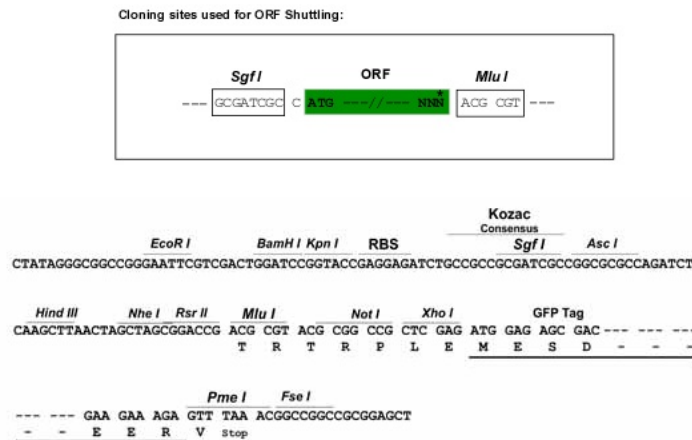
Protein Sequence: >RG221247 representing NM_033450
 Red=Cloning site Green=Tags(s)

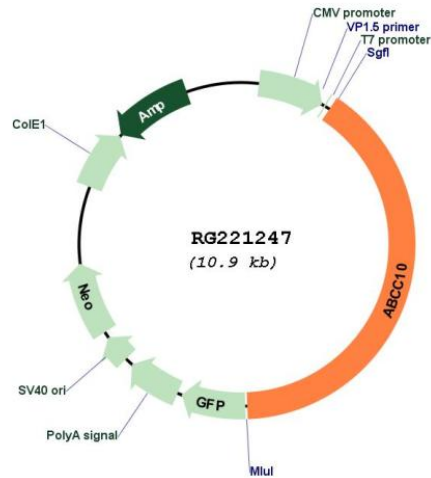
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 CHLSEVITSMGGLDGELGEGGRSLSGQRQLLCLARALLTDAKILCIDEATASVDQKTDQLLQQTICKRF
 ANKTVLTI AHRNLN ILSDRV LVLQAGR VVELDSPATLRNQP HSLFQQLLQSSQQGV PASLGGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN:	NM_033450
ORF Size:	4392 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:

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_033450.2](#), [NP_258261.2](#)

RefSeq Size: 5118 bp

RefSeq ORF: 4395 bp

Locus ID: 89845

UniProt ID: [Q5T3U5](#)

Cytogenetics: 6p21.1

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ABC transporters

Gene Summary: The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White). This ABC full-transporter is a member of the MRP subfamily which is involved in multi-drug resistance. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Nov 2010]