

Product datasheet for **MG225723**

Abcc1 (NM_008576) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcc1 (NM_008576) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Abcc1
Synonyms:	Abcc; Abcc1a; Abcc1b; M; Md; Mdrap; Mr; MRP; Mrp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225723 representing NM_008576 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGCGCAGCTTCTGCAGCGCTGATGGCTCCGATCCACTCTGGACTGGAATGTCACATGGCACA
CCAGCAACCCCGACTTTACCAAGTGCTTTCAGAACACGGTCTCATGCGGTGCCTTGTCTACCTCTG
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CTTCTACAGCATGGCCAAGGATGCTGGCTTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG225723 representing NM_008576
 Red=Cloning site Green=Tags(s)

MALRSFCSADGSDPLWDNVTWHTSNPDFTKCFQNTVL TWVPCFYLWSCFPLYFFYL SRHDRGYIQMTHL
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 ELAHLKGFVSALPDKLNHECAEGGENLSVGQRQLVCLARALLRKTKILVLD EATAVDLETDNLIQSTIR
 TQFEDCTVLTIAHRLNTIMDYTRIVLVDKGEVRECGAPSELLQQRGIFYSMAKDAGLV

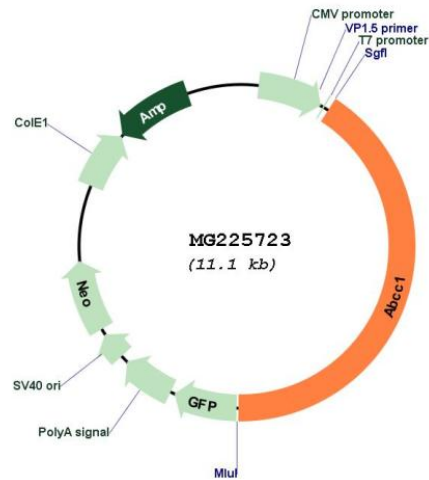
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_008576

ORF Size: 4584 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_008576.3](#), [NP_032602.1](#)

RefSeq Size: 5944 bp

RefSeq ORF: 4587 bp

Locus ID: 17250

UniProt ID: [O35379](#)

Cytogenetics: 16 A1

Gene Summary: The membrane-associated 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, White). This full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. This protein plays an essential role in the defense against toxic compounds and serves as the major high-affinity transporter of leukotriene C4. The encoded protein may also play an essential role in steroid hormone homeostasis as a transporter for steroid hormones and their metabolites. [provided by RefSeq, Nov 2011]