

Product datasheet for **MG218652**

Cyb561d1 (NM_028061) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyb561d1 (NM_028061) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyb561d1
Synonyms:	1600010M23Rik; A1605489; AW457162
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218652 representing NM_028061 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCATTCATGGAGGTAGGTCTGGTCCCGCTCCAGCGAGGGAGCCGAGACTGACCCGCTGGCTGCGGA
GAGGCAGTGGGATCTTGGCGCACCTGATAGCTTTGGGCTTACCATCTTTCTGACTGTGCTGTCCCGGCC
CGGAACCACTCTTTCTCCTGGCACCTGTGTTTCATGGCCTTGGCGTTCTGTCTCTGCATGGCTGAAGCT
ATTCTACTTTCTCACCTGAGCACTCCCTGTTCTTCTTCTGCTCTCGAAAAACCCGGATTCGACTCCACT
GGCAGGGCAGACCATGGCCATCCTCTGTGCTGTCTTAGGCTTGGGCTTCATCATTCCAGCAAGATCCG
AAGTGAGATGTCCATTTGGTGTCTGGCACAGCTGGATAGGAGCCTTGACACTGTTGGCCACTGGAGGA
CAGGCACTGTGTGGGCTCTGCCTCCTCTGTCCACGAGCAGCCCGGTCTCAAGGGTGGCTCGCCTCAAGC
TCTACCATCTGACGTGTGGCCTGGTTGTCTACCTGATGGCTACAGTAACGGTGTCTTGGGCATGTACTC
AGTGTGGTTCCAGGCCAGATCAAAGGTACAGCCTGGTACCTGTGCCTGGGACTACCATTGTACCCAGCC
CTGGTGATCATGCACCAGATCTCCAGCTCCTACTTGCCAAGGAAGAAGGTGGAGATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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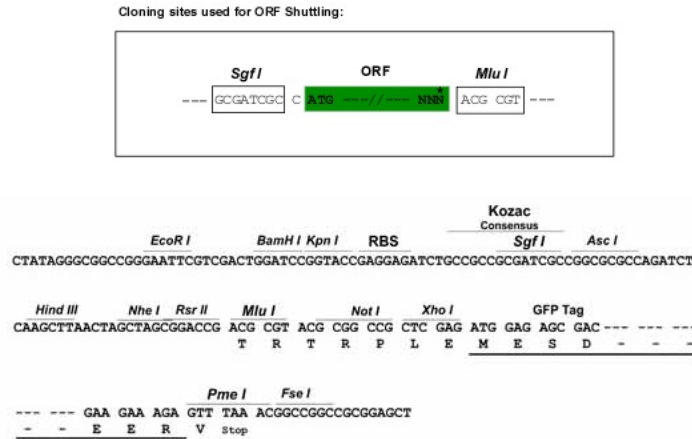
Protein Sequence: >MG218652 representing NM_028061
 Red=Cloning site Green=Tags(s)

MHSMEVGLVPAPAREPRLTRWLRGSGILAHILALGFTIFLTVLSRPGTSLFSWHPVFMALAFCLCMAEA
 ILLFSPHSLFFFCSRKTRIRLHWAGQTMAILCAVLGLGFISSKIRSEMSHLVSWHSWIGALTLATGG
 QALCGLCLLCPRAARVSRVARLKLKLYHLTCGLVVYLMATVTVLLGMYSVWFQAQIKGTAWYLCLGLPLYP
 LVIMHQISSSYLPRKKVEI

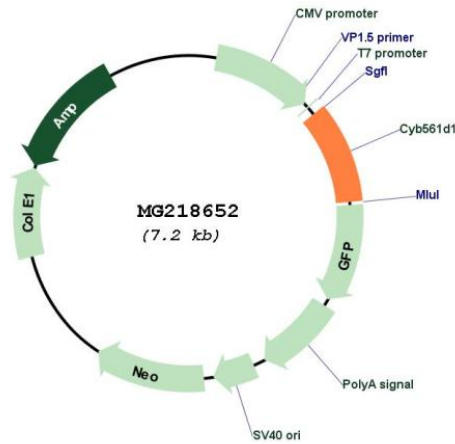
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_028061

ORF Size: 513 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_028061.1 , NP_082337.1
RefSeq Size:	4077 bp
RefSeq ORF:	516 bp
Locus ID:	72023
Cytogenetics:	3 F2.3
Gene Summary:	Probable transmembrane reductase that may use ascorbate as an electron donor and transfer electrons across membranes to reduce monodehydro-L-ascorbate radical and iron cations Fe(3+) in another cellular compartment.[UniProtKB/Swiss-Prot Function]