

Product datasheet for **RG233955**

MTCH1 (NM_001271641) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTCH1 (NM_001271641) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MTCH1
Synonyms:	CGI-64; PIG60; PSAP; SLC25A49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233955 representing NM_001271641 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGAGCTTCGGACCCGGAAGTGGCGCCTGGGCTCGCGCGGTGCCGCGGGATGGCGGGAGCCGGAG
CTGGAGCCGGAGCTCGCGCGGAGCGCGCGGGGTCGAGGCTCGAGCTCGCGATCCACCGCCCGCGCA
CCGCGCACATCCTCGCCACCCTCGGCCTCGGGCTCAGCCCTCGGCCCGCAGGATGGATGGCGGGTCAGGG
GGCCTGGGGTCTGGGGACAACGCCCCGACCACTGAGGCTCTTTTCGTGGCACTGGCGCGGGCGTGACGG
CGCTCAGCCATCCCCTGCTCTACGTGAAGCTGCTCATCCAGGTGGTCATGAGCCGATGCCCCCACCT
TGGGACCAATGTGCTGGGAGGAAGTCTCTATCTGCCGAGCTTCTCACCTACGCCAAGTACATCGTG
CAAGTGGATGGTAAGATAGGGCTGTTCCGAGGCCTGAGTCCCCGGCTGATGTCCAACGCCCTCTCTACTG
TGACTCGGGGTAGCATGAAGAAGTTTTCCCTCCAGATGAGATTGAGCAGGTTTCCAACAAGGATGATAT
GAAGACTTCCCTGAAGAAAGTTGTGAAGGAGACCTCCTACGAGATGATGATGCAGTGTGTGTCCCGCATG
TTGGCCCAACCCCTGCATGTCTCAATGCGCTGCATGGTCCAGTTTGTGGGACGGGAGGCCAAGTACA
GTGGTGTGCTGAGCTCCATTGGGAAGATTTCAAAGAGGAAGGGCTGCTGGGATTCTTCGTTGGATTAAT
CCCTCACCTCCTGGGCGATGTGGTTTTCTGTGGGGCTGTAACCTGCTGGCCCACTTCATCAATGCCTAC
CTGGTGGATGACAGCGTGAGTGACACCCAGGGGGCTGGGAAACGACCAGAATCCAGGTTCCAGTTCA
GCCAGGCCCTGGCCATCCGGAGCTATACCAAGTTCGTGATGGGGATTGCAGTGAGCATGCTGACCTACCC
CTTCCTGCTAGTTGGCGACCTCATGGCTGTGAACAACGCGGGCTGCAAGCTGGGCTCCCCCTTACTCC
CCAGTGTTCAAATCCTGGATCACTGCTGGAAGTACCTGAGTGTGCAGGGCCAGCTCTCCGAGGCTCCA
GCCTGCTTTCCGCCGGTGTATCAGGATCATGCTTTGCCCTGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233955 representing NM_001271641
 Red=Cloning site Green=Tags(s)

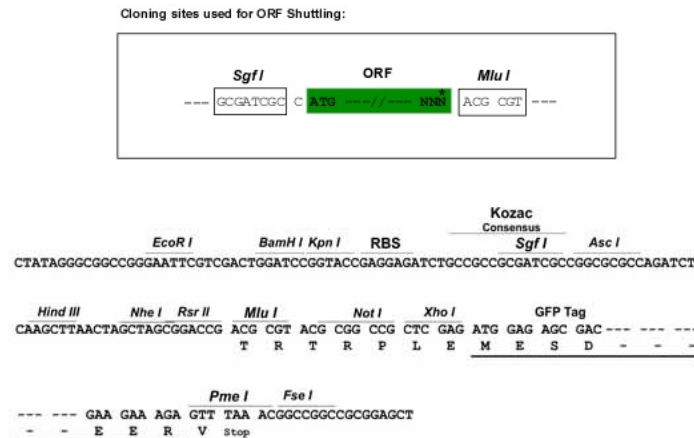
MGASDPEVAPWARGGAAGMAGAGAGAGARGGAAAGVEARARDPPPAHRAHPRHPRPAAQPSARRMDGGSG
 GLGSGDNAPTTEALFVALGAGVTALSHPLLIVKLLIQVGHEPMPPTLGTNVLGRKVL YLPSFFTYAKYIV
 QVDGKIGLFRGLSPRLMSNALSTVTRGSMKKVFPPEIEQVSNKDDMKTSKKVVKETSYEMMMQCVSRM
 LAHPLHVISMRCMVQFVGREAKYSGVLSSIGKIFKEEGLLGFFVGLIPHLLGDVVFLWGCNLLAHFINAY
 LVDDSVSDTPGGLGNDQNPQSQFSQLAIRSYTKFVMGIAVSMLTYPFLLVGDLMVNNCGLQAGLPPYS
 PVFKSWIHCWKYLSVQQLFRGSSLLFRRVSSGSCFALE

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001271641

ORF Size: 1167 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_001271641.1](#), [NP_001258570.1](#)

RefSeq Size: 2334 bp

RefSeq ORF: 1170 bp

Locus ID: 23787

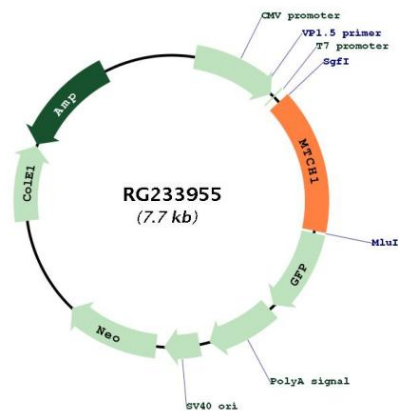
UniProt ID: [Q9NZI7](#)

Cytogenetics: 6p21.2

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of the mitochondrial carrier family. The encoded protein is localized to the mitochondrion inner membrane and induces apoptosis independent of the proapoptotic proteins Bax and Bak. Pseudogenes on chromosomes 6 and 11 have been identified for this gene. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Oct 2012]

Product images:



Circular map for RG233955