

Product datasheet for **MG203766**

Stmnd1 (NM_001005422) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Stmnd1
Synonyms:	Gm1574
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG203766 representing NM_001005422
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTGTGGACCTTCCAGCAAAAGGAGGACCAGAGCCAGAGCCGCATACCCTCTCCAGGAAGGGCT
GGGAAGAGGGATCCAAGGCTGATGTCTAGAGTAACCTTCTCCAAAGAAAATTGCAGTCCCAAACTGAAGC
TGATGGCCCAAGCACACCATAGACAACGCCAAAGTCTGGACCAACAAGCACAGATAGGAAGCTTGCCT
GGGACTATTCCAGAAAATTCTCAACTCCTAGTAAACAAGCAGGAGAATAAATTCAGACCCAGTGGCCA
ATGGATTGACCAACAAACCCCAACTCCCGGAGAGTTGGGAGCGGCCAAAGTCATCAGACATCCTGGAAGA
GCTAATTGTCCAAGGAATCATACAGAGCCGGAGCAAGTATTTAGAAATGGAGAGTCGTATGATGTCATG
GTGGCACTACTGAAAAGCCACTGAGAAAGCCACCAGCCAGACTGAAAAAGCTTAAGGTGAAAAAGGAAG
TGAAGGATTTACAATCCAAGACATAGAAGAAAAGATGCAGGCAGCAGAGGAGCGCCGAAAGACAAAAA
GGAGGAAATAGAAAAAGGCTACGGAGTGACCGGCTTCTGCCACAGCTAACCTTCAGACGAAGCTGAA
CCACCGGGCAGGTTGGAGTTCCATTTACAAAAGGCCTTCCAGCTGTGAACACCCCTGCTTTGGAGAAGT
CTGATGTGCAGGAAGGAGAGCCACTGAAGAGGAAGAAGAGCGAAAGTGATGTGGCCAGATGAACCGGAA
CTACTCCTGTACAGTTTGGAGCTTGTGGAGTCAGACATGTATTACAACCAAGAGGACAACATATTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



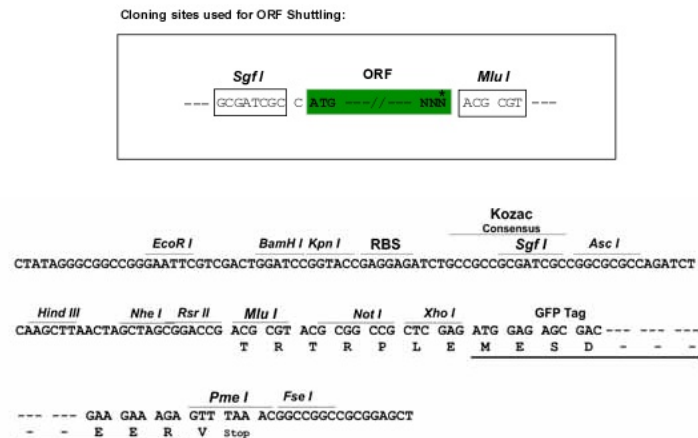
Protein Sequence: >MG203766 representing NM_001005422
Red=Cloning site Green=Tags(s)

MGCGPSQQKEDQSQSRIPSPRKGWEEGSKADVVRTSSKENCSPQTEAAWPKHTIDNAKSLDQQAQIGSLP
GTIPENSPTPSKTSRRINSDPVANGLTNKPQLPESWERPKSSDILEELIVQGIIQSRSKVFRNGESYDVM
VDTTEKPLRKPPARLKKLKVKKEVKDFTIQDIEEKMQAAEERRKTKKEEIRKRLRSDRLPTANPSDEAE
PPGRVEVPFTKGLPAVNTPALEKSDVQEGEPLKRKSESVDVAQMNRNYSCTGLELVESDMYYNQEDNIF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001005422

ORF Size: 837 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001005422.1](#), [NP_001005422.1](#)

RefSeq Size: 1384 bp

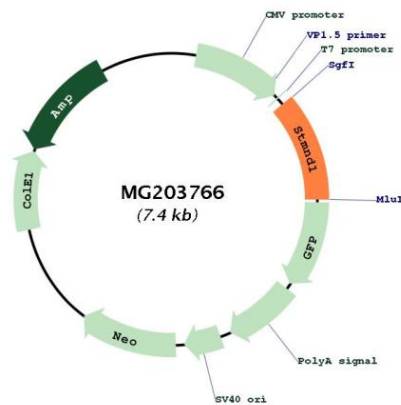
RefSeq ORF: 840 bp

Locus ID: 380842

UniProt ID: [Q6P3A1](#)

Cytogenetics: 13 A5

Product images:



Circular map for MG203766