

Product datasheet for **MG223941**

Wisp3 (NM_001127376) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wisp3 (NM_001127376) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wisp3
Synonyms:	CCN6; ENSMUSG00000062074; Gm735; WISP-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223941 representing NM_001127376 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGTAGGCTCCTCTTTTGCCTCTGCTCATGACTGGGCTGACACAGCTCTGCTGCAGGACACAGGGCA
GTGCACCACAAGACTCGACCCCTGGAGGGCGCCCTGGAGCAGCATTGGAGGTGTATCAGCGTACAGAGGT
CTGCCGCTGGCCCTGCAGATGCCCCCGCAGAGGCCCACTTGCTCCTCTGGGGTGTAGTTGGTGAGGGAC
GGCTGTGGATGCTGCAAAGTCTGTGCCAAGCAACCAGGGGACACCTGTAACGAAGCCGAGATCTGCGACC
CCCACAAAGGCCGTACTGTGACTACTCCGGGGACACGCCTAGGTACGAGACAGGCGTGTGCGCATATCT
TGTGGCAGTTGGATGTGAGTTCAACAGGGTCTATTACCAGAATGGCCAAGTATTTAGCCCCACCCACTG
TTCAGCTGCCTCTGTGTGAGTGGGGCCATTGGATGCACGCCCCTTTCATCCCCAAGCTGGCTGGCAGCA
ACTGTTCTGCAGCTAAAGGAAGAAGGAAGACTGATCCCCAAACTGTGGCCGGGGAAACCCTGCAGCAGCA
GAACTCAGCAAGCTACAAGACAATGTCAGCTTATAGGAATCTCCCACTTACTTGGAGGAAAAATGTCTC
GTGCAAGCAACCAAGTGGACTCCCTGCTCCAGAACGTGCGGAATGGGAATTTCTAACCGGTAACCAACG
ATAACGCCAAGTGTAAATGAGAAAGGAGAGGAGGCTGTGCTACATCCAGCCCTGCAGCAGGAACACATC
ACAGGCAGTGAAGATCCCCAGAGGAGAAACATGTCAACCACTTTCCAACCTCCCCAAGCTGAAAAATTT
GTTTTTTCTGGATGCTCAAGCACTCAGAGTTACAGACCCACTTTCTGTGGAATATGCCTGGACAAGAGAT
GCTGTGTCCCCAACAAATCTAAAATGATTACTGTTAGGTTTACTGCCCCAGTGAAGGGTCAATTTAAGTG
GCAGATGCTGTGGTACATCTTGTGTGTGTCAGAGGGACTGCAGAGAACCAGGAGATATATTTTCTGAG
CTCAGGATTCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223941 representing NM_001127376
 Red=Cloning site Green=Tags(s)

MRRLFLCTLLMTGLTQLCCRTQGSAPQDSTPGGRPGAALVYQRTVEVCRWPCRCPPQRPPTCPPGVSLVRD
 GCGCKVCAKQPGDTCNEAEICDPHKGLYCDYSGDTPRYETGVCAYLVAVGCFNRVYQNGQVFPHPPL
 FSCLCVSGAIGCTPLFIPKLAGSNCSAAKGRRTDPPNCGRGTLLQQNSASYKTMSAYRNLPLTWRKKCL
 VQATKWTPCSRTC GMGISNRVTNDNANCCEMRKERRLCYIQPCSRNTSQAVKIPRGETCQPTFQLPKAEKF
 VFSGCSSTQSYRPTFCGICLDRCCVFNKSKMITVRFDCPSEGSFKWQMLWWTSCVCQRDCREPGDIFSE
 LRIL

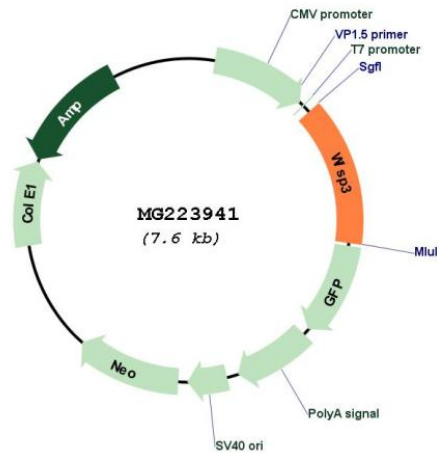
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001127376

ORF Size:	1062 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_001127376.1 , NP_001120848.1
RefSeq Size:	1418 bp
RefSeq ORF:	1065 bp
Locus ID:	327743
UniProt ID:	D3Z5L9
Cytogenetics:	10 B1
Gene Summary:	Plays a role in mitochondrial electron transport and mitochondrial respiration. [UniProtKB/Swiss-Prot Function]