

Product datasheet for **RG209662**

Meis homeobox 3 (MEIS3) (NM_001009813) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Meis homeobox 3 (MEIS3) (NM_001009813) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MEIS3
Synonyms: MRG2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209662 representing NM_001009813
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCGAGGTATGATGAGCTGCCGACTACCCAGGCATCGTGGATGGCCCCGAGCCCTGGCTAGCT
TCCCAGAGACAGTCCCCGAGTACCAGGGCCCTATGGCCCGCACCGGCCCTCCCCAGCCCCGCCCCAGG
CTTGACAGCGACGGCCTGAAGAGGGAGAAGGATGAGATCTATGGACACCCGCTCTCCCCCTCTTGCC
CTGGTCTTTGAGAAATGTGAAGTGGCTACATGCTCTCCCGTGACGGGGCCGGAGCTGGGCTGGGGACAC
CCCTGGAGGTGACGTCTGCTCCTCTGATTCTTCAACGAGGACATCGCTGCCTTTGCCAAGCAGGTTTCG
CTCTGAGAGGCCCTCTTCTCCTCAACCCAGAAGTGGACAATCTGATGATCCAGGCCATCCAGGTGCTG
CGTTCCACCTGCTGGAGCTGGAGAAGGAAAGATGCCCATCGACCTGGTTCATCGAGGATCGGGACGGCG
GCTGCAGGGAGGACTTCGAGGACTACCCAGCCTCTGCCCCAGCCTCCAGACCAGAATAATATGTGGAT
TCGAGACCATGAGGATAGTGGGTCTGTACATTTGGGGACCCAGGTCCATCCAGTGGGGGCTGGCCTCC
CAGAGTGGGGACAACCCAGTGACCAAGGAGACGGGCTGGACACCAGCGTGGCCTCTCCAGTCTGGTG
GAGAAGATGAGGACTTGGACCAGGAGCGACGGCGAAACAAGAAGAGGGGGATCTTCCCCAAGGTGGCCAC
CAACATCATGCGAGCCTGTTGTTCCAGCACCTCTCGCACCCGTACCCCTCGGAGGAGCAGAAGAAACAG
CTGGCGCAGGACACGGGGCTCACCATCCTGCAAGTCAACAACCTGGTTCATTAACGCCCGGAGACGCATCG
TGCAACCTATGATCGATCAATCCAACCGCACAGGGCAGGGTGCAGCCTTACGCCAGAGGGCCAGCCCAT
CGGGGGCTATAACCGAGACGCAGCCACACGTGGCCGTCGGCCTCCGGGATCAGTGGGGATGAGTTTGAAC
TTGAAGGAGAATGGCATTATCTA

ACCGTACCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209662 representing NM_001009813
 Red=Cloning site Green=Tags(s)

MARRYDELPHYPGIVDGPAAALASFPETVPAVPGPYGPHRPPQPLPPGLSDGLKREKDEIYGHPLFPLLA
 LVFEKCELATCSPRDGAGAGLTPPGGDVCSDFNEDIAAFKQVRSERPLFSSNPEDNLMIQAIQVL
 RFHLLLELEKGMPIDLVIEDRDGGCREDFEDYPASCPSLPDQNNMWARDHEDSGSVHLGTPGPSSGLAS
 QSGDNSSDQGDGLDTSVASPSSGGEDEDLDQERRRNRKRGIFPKVATNIMRAWLFQHL SHYPYSEEQKKQ
 LAQDTGLTILQVNNWF INARRRIVQPMIDQSNRTGQGAASFPEGQPIGGYTETQPHVAVRPPGSGVMSLN
 LEGEWHYL

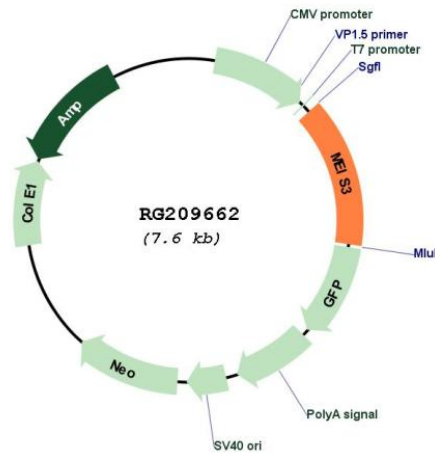
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009813

ORF Size:	1074 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_001009813.3
RefSeq Size:	1990 bp
RefSeq ORF:	1077 bp
Locus ID:	56917
UniProt ID:	Q99687
Cytogenetics:	19q13.32
Gene Summary:	This gene encodes a homeobox protein and probable transcriptional regulator. The orthologous protein in mouse controls expression of 3-phosphoinositide dependent protein kinase 1, which promotes survival of pancreatic beta-cells. [provided by RefSeq, Sep 2016]