

Product datasheet for **RG234107**

MIPOL 1 (MIPOL1) (NM_001195296) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIPOL 1 (MIPOL1) (NM_001195296) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MIPOL 1
Synonyms:	CCDC193
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234107 representing NM_001195296 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGAAGTGGTCAAAAGACATAACCCACAGTTATCTTGAACAAGAACTACGGGGATAAATAAAAGTA
CGCAGCCAGATGAGCAACTGACTATGAATTCGAGAAAAGTATGCATCGGAAATCCACTGAATTAGTTAA
TGAAATAACATGTGAGAACACAGAATGGCCAGGGCAGAGATCAACGAATTTTCAGATCATCAGTTCTTAT
CCAGATGATGAGTCTGTTTACTGCACTACTGAAAAATACAACGTTATGGAACATAGACATAATGATATGC
ATTATGAATGTATGACTCCTTGCAAGTTACTTCAGACTCAGATAAAGAGAAGACAATAGCATTCTTCT
AAAAGAATTGGATATTCTCAGAACAAAGCAATAAAAGCTTCAGCAGAAATTGGCTAAAGAAGATAAAGAA
CAGAGAAAAGTAAAGTTAAGCTGGAAGTCCAAGAGAAAGAAACAGAAAGCTAAATTTGCTGAAAAGACAG
CAGCTCTGGTTGAAGAAGTGTATTTGCGCAGAAAGGAACGTGATGAAGCTGTTATGTCTAGACTGCAATT
AGCCATTGAGGAGAGAGATGAAGCAATTGCACGAGCCAAGCATATGGAATGTCTCTAAAAGTGCTAGAA
AATATTAACCCCTGAAGAAAATGACATGACATTACAGGAATTACTGAACAGAATAAACAATGCAGACACAG
GGATAGCTATTCAGAAGAATGGAGCTATAATTGTGGATAGAATCTACAAGACCAAGGAATGTAAAATGAG
AATAACTGCAGAAGAAATGAGTGCATAATAGAAGAACGGGATGCTGCCTTGTCTAAGTGCAAACGGTTA
GAGCAGGAGCTTCATCATGTGAAAGAGCAGAACCCAGACTTCAGCAAACAACATGAGACATCTGACTGCTG
AAAACAATCAAGAACGTGCTCTGAAGGCAAGTTGTTATCTATGCAACAAGCCAGAGAAAAGTGCAGTTCA
ACAGTACAAAAAACTGGAAGAGGAAATCCAGACCCCTCGAGTTTACTACAGTTTACACAAATCTTTATCT
CAAGAAGAAAATCTGAAGGATCAGTTTAACTATACCCCTAGTACATATGAAGAAGCTTTAAAAACAGAG
AGAACATTGTTTCCATCACTCAACAACAAAATGAGGAACTGGCTACTCAACTGCAACAAGCTCTGACAGA
GCGAGCAAATATGGAATTACAACCTCAACATGCCAGAGAGGCCTCCCAAGTGCCAATGAAAAAGTTCAA
AAGTTGGAAGGCTGGTGGATGTACTGAGGAAGAAGTTGGAACCGGGACCATGAGGACAGTGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG234107 representing NM_001195296
 Red=Cloning site Green=Tags(s)

MENWSKDITHSYLEQETTGINSTQPDQLTMNSEKSMHRKSTELVNEITCENTEWPQQRSTNFQIISSY
 PDDESVCYCTTEKYNVMEHRHNDMHYECMTPCQVTSDDKEKTIAFLKELDILRTSNKKLQQKLAKEDKE
 QRKLKFKLELQEKETEAKIAEKTAALVEEVYFAQKERDEAVMSRLQLAIEERDEAIARAKHMEMSLKYLE
 NINPEENDMTLQELLNRINNADTGIAIQKNGAIIVDRIYKTKECKMRITAEEMSALIEERDAALSKCKRL
 EQELHHVKEQNQTSANNMRHLTAENNQERALKAKLLSMQQARETAVQQYKKLEEEIQTLRVYYSLHKSLS
 QEENLKDQFNLTSTYEEALKNRENIVSITQQQNEELATQLQQALTERANMELQLQHAREASQVANKEKVQ
 KLERLVDVLRKKVGTGMTRTVI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001195296

ORF Size: 1326 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_001195296.2](#)

RefSeq Size: 6283 bp

RefSeq ORF: 1329 bp

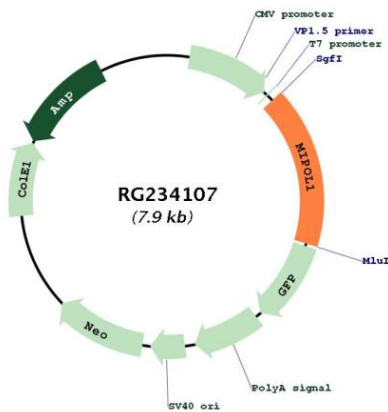
Locus ID: 145282

UniProt ID: [Q8TD10](#)

Cytogenetics: 14q13.3-q21.1

Gene Summary: This gene encodes a coiled-coil domain-containing protein. The encoded protein may function as a tumor suppressor. A translocation that results in truncation of the protein encoded by this locus has been associated with mirror-image polydactyly, also known as Laurin-Sandrow Syndrome. Alternatively spliced transcript variants have been described. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RG234107