

Product datasheet for **MG224306**

Mos (NM_020021) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mos (NM_020021) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mos
Synonyms:	c-mos
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224306 representing NM_020021 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTTCGCCTCTAAGCCTGTGTCGCTACCTCCCTCGTGAGCTGTGCCATCGGTGGACTCGGGTCTT
GCAGCATTCTTTGGTGGCCCCGAGGAAGGCAGGGAAGCTCTTCTGGGGACCACTCCTCCTCGGGCTCC
CGGACTGCCACGCCGGCTGGCTGGTTCCATAGACTGGGAACAGGTATGTCTGATGCATAGGCTGGGC
TCTGGAGGTTTGGCTCGGTGTATAAAGCCACTTACCACGGTGTCTCTGTGGCCATCAAGCAAGTAAACA
AGTGCACCAAGGACCTACGTGCATCCCAGCGGAGTTTCTGGGCTGAAGTGAACATTGCAAGACTACGCCA
CGACAACATAGTTCGGGTGTGGCTGCCAGCACGCGCACGCCGAAGACTCCAACAGCCTAGGTACCATA
ATCATGGAGTTTGGGGCAACGTGACTCTACACCAAGTCACTACGGTGCCACCCGCTCACCGGAGCCTC
TCAGCTGCAGAGAACAAGTGTGTTGGGGAAGTGCCTCAAGTATTCCTAGATGTTGTTAACGGCCTGCT
TTTTCTCCACTCACAAGCATTGCACTTGGACCTGAAGCCAGCGAACATTTTGATCAGTGAGCAAGAC
GTTTGTAAAGATCAGTGACTTCGGCTGCTCCAGAAGCTGCAGGATCTGCGGTGCCGGCAGGCGTCCCCTC
ACCACATAGGGGGCACGTACACGCACCAAGCTCCGGAGATCCTGAAAGGAGAGATTGCCACGCCAAAGC
TGACATCTACTCTTTTGAATCACCTGTGGCAGATGACCACCAGGGAGGTGCCTTACTCCGGCGAACCT
CAGTACGTGCAGTATGCAGTGGTTGCCTACAATCTGCGCCCTCACTGGCAGGGCGGTGTTCCACCGCT
CCCTGACTGGAAAAGACTGCAGAATCATCCAGAGTCTGGGAGGCCCGCCCTGCAGAGGCCGGG
TGCAGAACTGCTCCAAGGGACCTCAAGGCTTCCGAGGGGCACTAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224306 representing NM_020021
 Red=Cloning site Green=Tags(s)

MPSPLSLCRYLPRELSPSVDSRSCSIPLVAPRKAGKFLGTTPPRAPGLPRRLAWFSIDWEQVCLMHR LG
 SGGFGSVYKATYHGVPVAIKQVNKCTKDLRASQSFWAELNIARLRHDNIVRVVAASTRTPEDSNLGTI
 IMEFGGNVTLHQVIYGATRSPEPLSCREQLSLGKCLKYSLDVVNGLLFLHSQSILHLDLKPANILISEQD
 VCKISDFGCSQKLQDLRCRQASPHHIGGTYTHQAPEILKGEIATPKADIYSFGITLWQMTTREVPSGEP
 QYVQYAVVAYNLRPSLAGAVFTASLTGKTLQNI IQSCWEARALQRPGAELLQRDLKAFRGALG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020021

ORF Size: 1029 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_020021.3](#)

RefSeq Size: 1449 bp

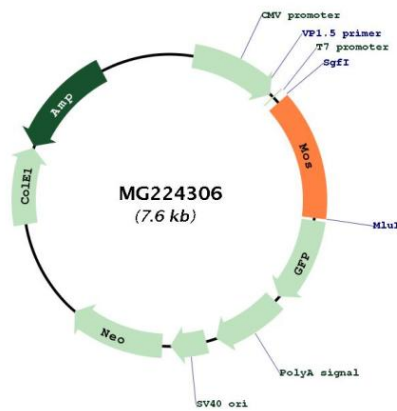
RefSeq ORF: 1032 bp

Locus ID: 17451

UniProt ID: [P00536](#)

Cytogenetics: 4 2.16 cM

Product images:



Circular map for MG224306