

Product datasheet for **MR229524**

Pygo2 (NM_001293763) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pygo2 (NM_001293763) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pygo2
Synonyms: 1190004M21Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229524 representing NM_001293763
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGAGCCCTGAAAAGAAGCGAAGAAAGTCCAATACTCAGGGTCTGCATATTCACATCTGACGGAGT
 TCGCCCCACCCCGACCCCATGGTGGATCATCTGGTCGTTCTAACCCTTTGGAGGATGATTTTCGGAGC
 CCCTAAAGTGGGGGGCGCAGGCCCTCCGTTCTCGGCAGTCCGGTGCCCTTTGGAGGCTTTCGTGTACAG
 GGGGGCATGGCAGGCCAGGTACCCCGAGCTACGGCACTGGAGGAGGAGGGGGTCCCGAGCACTTCGTC
 GGCAGCCCCCTCTTTTCCCCCAACCCTATGGGTCCAGCTTTTAAATAGCCCCCTCAGGGCCCTGGCTA
 CCCGCCCTGGCAACATGAACTTTCCAGTCAACCCTCAACCAGTCTCTGGGCCAAAACCTTTAGCCCA
 CCTGGTGGCAGGTGATGCCAGGCCAGTAGGGCGATTTGGTCCCATGATCTCACCGACCATGGGACAGC
 CTCCTAGAGGGGAGCTGGGTCTCTCTCTCCCCAACGCTTTACCCAACCAGGAGCACCTTTGGTCC
 TTCTCTCAGAGACCTGGTCAGGGACTCCCCAGCCTGCCCCAACACAAGTCCCTTCCCTGGTCCAGAC
 CCTGGTTTTCTGGCCCTGGCGGTGAGGATGGTGGGAAGCCCTTGAACCAACCGGCTCCCACCGCTTTC
 CCCAGGAGCCCCATTGGGGTCCCCGCTGCTGCTGCAATGGGAATCAGCCAGTTTCCCCCTATGCAG
 CAGTGGTCGAGGTGGGGCACTCCAGATGCCAACAGTCTGGCACCCCGCAAGGCAGGGGAGGCTCA
 GGGCCCCAGCCTCCCCAGGCCTGGTGTACCCCTGCGGTGCCTGCCGTAGTGAGGTAATGATGACCAGG
 ATGCCATTCTGTGTGAGGCCTCTGCCAGAAGTGGTTTACCAGGAGTGACCCGGCATGACCGAGAGTGC
 CTACGGCTGCTGACCACCGAGGCCTCTGCCGTCTGGGCTGTGATCTTTGCCTCAAGACCAAGGAGATC
 CAGTCTGTCTACATCCGAGAGGGCATGGCCAGTTGGTGGCTGCTAACGATGGG

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229524 representing NM_001293763
Red=Cloning site Green=Tags(s)

MKSPEKRRKRSNTQGPAYSHLTEFAPPPTPMVDHLVASNPFEDDFGAPKVGAGPPFLGSPVPVFGGFRVQ
 GGMAQVPPGYGTGGGGPQPLRRQPPPPPNMGPFAFNMPQGGYPPPGNMNFPSPQPFNQSLGQNFSP
 PGGQVMPGPGVGGFGPMISPTMGQPPRGLGPPPLPQRFTQPGAPFGPSLQRPQGGLPSLPPNTSPFP
 PGDPGFPGGEDGGKPLNPPAPTAFPEPHSGSPA AAVNGNQPSFPPSSSGRGGGTPDANSLAPPKAGGGS
 GPQPPGLVYPCGACRSEVNDQDAILCEASCQKWFHRECTGMTESAYGLLTTEASAVWACDLCLKTKEI
 QSVYIREGMGQLVAANDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

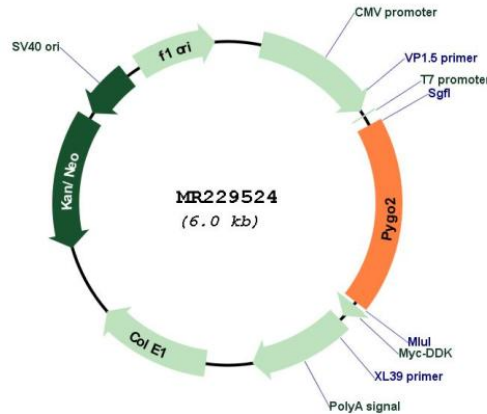
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001293763

ORF Size:	1104 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_001293763.1 , NP_001280692.1
RefSeq Size:	2986 bp
RefSeq ORF:	1107 bp
Locus ID:	68911
Cytogenetics:	3 F1
MW:	38 kDa