

Product datasheet for MR229526

Pygo2 (NM_001293767) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pygo2 (NM_001293767) 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: >MR229526 representing NM_001293767
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAGCCCTGAAAAGAAGCGAAGAAAGTCCAATACTCAGGGTCTGCATATTCACATCTGACGGAGT
 TCGCCCCACCCCGACCCCATGGTGGATCATCTGGTCGCTTCTAACCCCTTTGAGGATGATTTTCGGAGC
 CCCTAAAGTGGGGGGCGCAGGCCCTCCGTTCTCGGCAGTCCGGTGCCCTTTGGAGGCTTTCGTGTACAG
 GGGGGCATGGCAGGCCAGGTACCCCAAGCTACGGCACTGGAGGAGGAGGGGGTCCCGAGCACTTCGTC
 GGCAGCCCCCTCCTTTTCCCCCAACCCTATGGGTCCAGCTTTTAAATAGCCCCCTCAGGGCCCTGGCTA
 CCCGCCCTGGCAACATGAACTTTCCAGTCAACCCCTCAACCAGTCTCTGGGCCAAAACCTTTAGCCCA
 CCTGGTGGCAGGTGATGCCAGGCCAGTAGGCGGATTTGGTCCCATGATCTCACCGACCATGGGACAGC
 CTCCTAGAGGGGAGCTGGGTCTCCTCCTCCTCCCCAACGCTTTACCCAACCAGGAGCACCTTTGGTCC
 TTCTCTCAGAGACCTGGTCAGGGACTCCCCAGCCTGCCCCCAACACAAGTCCCTTCCCTGGTCCAGAC
 CCTGGTTTTCTGGCCCTGGCGGTGAGGATGGTGGGAAGCCCTTGAACCAACCGGCTCCCACCGCCTTTC
 CCCAGGAGCCCCATTGGGCTCCCCGCTGCTGCTGCAATGGGAATCAGCCAGTTTCCCCCTATGCAG
 CAGTGGTCGAGGTGGGGCACTCCAGATGCCAACAGTCTGGCACCCCGCAAGGCAGGGGAGGCTCA
 GGGCCCCAGCCTCCCCAGGCCTGGTGTACCCCTGCGGTGCCTGCCGTAGTGAGGTAATGATGACCAGG
 ATGCCATTCTGTGTGAGGCCTCCTGCCAGAAGTGGTTTACC CGCAGTGCACCGCATGACCGAGAGTGC
 CTACGGCTGCTGACCACCGAGGCCTCTGCCGTCTGGCCTGTGATCTTTGCCTCAAGACCAAGGAGATC
 CAGTCTGTCTACATCCGAGAGGGCATGGCCAGTTGGTGGCTGCTAACGATGGG

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229526 representing NM_001293767
 Red=Cloning site Green=Tags(s)

MKSPEKRRKRSNTQGPAYSHLTEFAPPPTPMVDHLVASNPFEDDFGAPKVGAGPPFLGSPVPVFGGFRVQ
 GGMAGQVPPGYGTGGGGPQPLRRQPPFPNPMGPAFNMPQGGYPPPGNMNFPSPQFNQSLGQNFSP
 PGGQVMPGPGVGGFGPMISPTMGQPPRGLGPPPLPQRFTQPGAPFGPSLQRPQGGLPSLPPNTSPFPGPD
 PGFPGGGEDGGKPLNPPAPTAFPEPHSGSPA AAVNGNQPSFPPSSSGRGGGTPDANSLAPPKAGGGS
 GPQPPGLVYPCGACRSEVNDQDAILCEASCQKWFHRECTGMTESAYGLLTTEASAVWACDLCLKTKEI
 QSVYIREGMGQLVAANDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

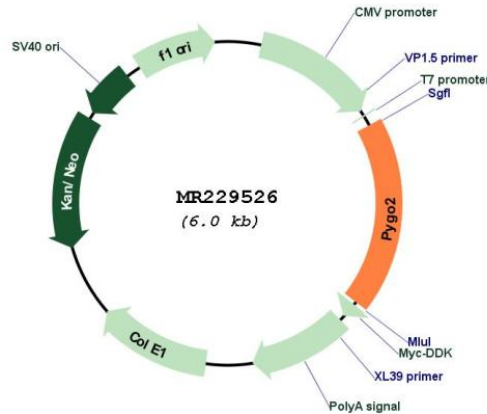
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001293767

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_001293767.1 , NP_001280696.1
RefSeq Size:	2845 bp
RefSeq ORF:	1107 bp
Locus ID:	68911
Cytogenetics:	3 F1
MW:	38 kDa