

Product datasheet for MR225971

Pygo2 (NM_026869) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pygo2 (NM_026869) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Pygo2
 Synonyms: 1190004M21Rik
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR225971 representing NM_026869
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGAGCCCTGAAAAGAAGCGAAGAAAGTCCAATACTCAGGGTCTGCATATTCACATCTGACGGAGT
 TCGCCCCACCCCGACCCCATGGTGGATCATCTGGTCGTTCTAACCCTTTTGAGGATGATTTCCGAGC
 CCCTAAAGTGGGGGGCGCAGGCCCTCCGTTCTCGGCAGTCCGGTGCCTTTGGAGGCTTCGTGTACAG
 GGGGGCATGGCAGGCCAGGTACCCCGAGCTACGGCACTGGAGGAGGAGGGGGTCCCGAGCCACTTCGT
 GGCAGCCCTCCTTTTCCCCCAACCCTATGGGTCCAGCTTTTAAATATGCCCCCTCAGGGCCCTGGCTA
 CCCGCCCTGGCAACATGAACTTTCCAGTCAACCCTTCAACAGTCTCTGGGCCAAAACCTTAGCCCA
 CCTGGTGGCAGGTGATGCCAGGCCAGTAGGGGATTTGGTCCCATGATCTCACCGACCATGGGACAGC
 CTCTAGAGGGGAGCTGGTCTCCTCCTCCTCCCCCAACGCTTTACCCAACAGGAGCACCTTTGGTCC
 TTCTCTTCAGAGACCTGGTCCAGGACTCCCGAGCTGCCCCCAACAAGTCCCTTCCCTGGTCCAGAC
 CCTGGTTTTCTGGCCCTGGCGGTGAGGATGGTGGGAAGCCCTTGAAACCCACCGGCTCCACCGCCTTC
 CCCAGGAGCCCATTCGGGCTCCCGCTGCTGCTGTCAATGGGAATCAGCCAGTTTCCCCCTAGCAG
 CAGTGGTCGAGGTGGGGCACTCCAGATGCCAACAGTCTGGCACCCCGCAAGGCAGGGGGAGGCTCA
 GGGCCCCAGCCTCCCGAGGCCCTGGTGTACCCCTGCGGTGCCGTAGTGAGGTAATGATGACCAGG
 ATGCCATTCTGTGTGAGGCCTCCTGCCAGAAGTGGTTTACCGGAGTGCACCGCATGACCGAGAGTGC
 CTACGGCTGCTGACCACCGAGGCTCTGCCGTGTTGGCCTGTGATCTTTGCCTCAAGACCAAGGAGATC
 CAGTCTGTCTACATCCGAGAGGGCATGGCCAGTTGGTGGCTGCTAACGATGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225971 representing NM_026869
Red=Cloning site Green=Tags(s)

MKSPEKKRRKSNTQGPAYSHLTEFAPPPTPMVDHLVASNPFEDDFGAPKVGAGPPFLGSPVPFGGFRVQ
 GGMAGQVPPGYGTGGGGGQPLRRQPPPPFNPMGPAFNMPQPGYPPPGNMNFP SQPFNQSLGQNFSP
 PGGQVMPGPGVGGFGPMISPTMGQPPRGELGPPPLPQRFTQPGAPFGPSLQRPQGQLPSLPPNTSPFP
 PGDPGFGGEDGGKPLNPPAPTAFPEPHSGSPAAAVNGNQPSFPPSSSGRGGGTPDANSLAPPKAGGGS
 GPQPPGLVYPCGACRSEVNDQDAILCEASCQKWFHRECTGMTESAYGLLTTEASAVWACDLCLKTKEI
 QSVYIREGMGQLVAANDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026869

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:**
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_026869.3, NP_081145.1

RefSeq Size: 2911 bp

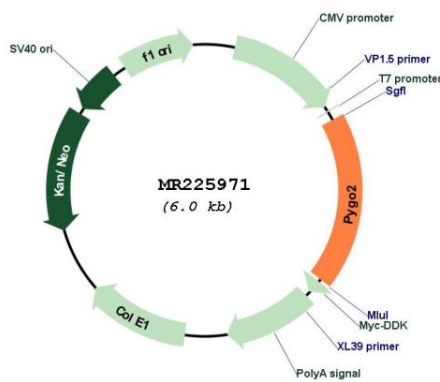
RefSeq ORF: 1107 bp

Locus ID: 68911

Cytogenetics: 3 F1

MW: 38 kDa

Product images:



Circular map for MR225971