

Product datasheet for MR225884

Pura (NM_008989) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pura (NM_008989) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pura
Synonyms:	CAGER-1; Pur-alpha; ssCRE-BP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225884 representing NM_008989 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACCGAGACAGCGGCAGCGAGCAGGGTGGTGC GGCGCTGGGCTCGGGCGGCTCCCTAGGGCACC
CGGGCTCGGGCTCAGGCTCCGGCGGGGGCGGTGGTGGCGCGGGGGCGGCGGGCAGTGGCGGGCGG
CGGGGCCCGGGGGGCTGCAGCACGAGACGCAGGAGCTGGCCTCCAAGCGGGTGGACATCCAGAACAAG
CGTTTCTACCTGGACGTGAAGCAGAACGCTAAGGGCCGTTTCTTGAAGATCGCAGAGGTGGGCGCTGGCG
GCAACAAGAGCCGCTCACCTCTCCATGTCTGTGGCCGTGGAGTTCGCGACTACCTGGGCGACTTCAT
CGAGCACTACGCGCAGCTGGGCCCCAGCCAGCCACCCGACTGGCCAGGCACAGGACGAGCCACGCCGG
GCGCTCAAGAGCGAGTTCCTGGTGC GCGAAAACCGCAAGTACTACATGGATCTCAAGGAGAACCAGCGCG
GCCGCTTCTGCGCATCCGCCAGACAGTCAACCGGGGGCCCGGCTGGGCTCCACGCAGGGCCAGACCAT
TGCGCTGCCCGCACAGGGTCTCATCGAGTTCGCTGACGCTCTGGCCAAGCTCATCGACGACTATGGAGTG
GAGGAGGAGCCGGCCGAGCTGCCGAGGGCACCTCCTTGACTGTGGACAACAAGCGCTTCTTCTTCGATG
TGGTTCCAACAAGTACGGCGTGTATGCGAGTGAGTGAGGTGAAGCCACCTACCGCAACTCCATCAC
CGTGCCCTACAAGGTGTGGCCAAGTTCGGACACACCTTCTGCAAGTACTCCGAGGAGATGAAGAAGATT
CAAGAGAAACAGAGGGAGAAGCGGGCCGCTTGTGAGCAGCTCCACCAGCAGCAACAGCAGCAAGAGG
AGACCACCGCTGCCACCCTGCTACTGCAGGGCGAGGAAGAAGGGGAAGAAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225884 representing NM_008989
 Red=Cloning site Green=Tags(s)

MADRDGSEQGGAAALGSGGSLGHPGSGSGSGGGGGGGGGGGGGGGGGGAPGGLQHETQELASKRVDIQNK
 RFYLDVKQNAKGRFLKIAEVGAGGNKSRLTLSMSVAVEFRDYLGDFIEHYAQLGPSQPPDLAQAQDEPRR
 ALKSEFLVRENKYYMDLKENQRGRFLRIRQTVNRGPGLGSTQGQTIALPAQGLIEFRDALAKLIDYGV
 EEEPAELPEGTSLTVDNKRFFFVDVGSNKYGVFMRVSEVKPTYRNSITVPYKVKWAKFGHTFCKYSEEMKKI
 QEKQREKRAACEQLHQQQQQQEETTAATLLLLQGEEEGED

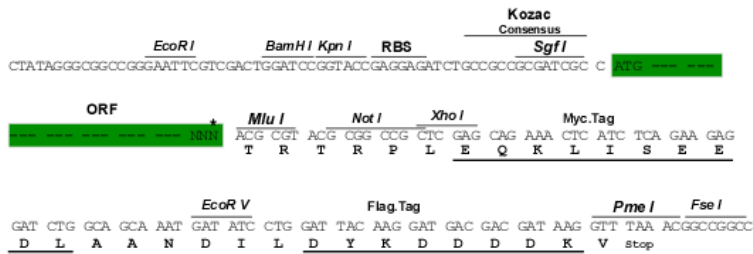
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9047_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008989

ORF Size: 963 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_008989.4](#)

RefSeq Size: 1602 bp

RefSeq ORF: 966 bp

Locus ID: 19290

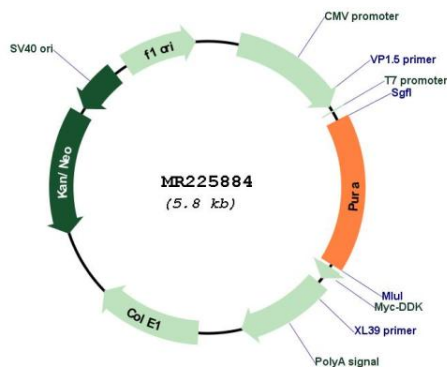
UniProt ID: [P42669](#)

Cytogenetics: 18 B2

MW: 35.3 kDa

Gene Summary: This is a probable transcription activator that specifically binds the purine-rich single strand of the PUR element located upstream of the c-Myc gene. May play a role in the initiation of DNA replication and in recombination.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225884