

Product datasheet for **MR224868**

Sap30bp (NM_020483) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sap30bp (NM_020483) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sap30bp
Synonyms: 2700016D05Rik; Hcngp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224868 representing NM_020483
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGGAAGAAAAATGTTTTGTCGTCTCTTGAATTTATGCGGAATATTCAGACCCTGAATCTGATG
GCGAAACTGGAGTCGACGCTGTAGGCGGAGCGACTGAGGAGAAAGGTGGTTTGGTATCTGACGCCTATGG
AGAAGATGACTTCTCTCGCCAGGGGTGATGAGGATGGTTATGAAGAAGAGGAGGACGAGAACAGTAAG
CAGTCGGAAGATGACGATTCAGAGACTGAAAACTGAGGCTGATGACCCAAAGGATAACACAGAAGCAG
AGAAGCGGGATCCCAGGAATTAGTGGCTCCTTTTCTGAAAGGGTTCGCAACATGTCACCCGATGAAAT
CAAGATCCCACCAGAACCGCCTGGCAGATGTTCAAATCACTACAAGATAAGATCCAGAAGCTCTACGAG
CGAAGATAAAGGAGGGGATGGATGAACTACATCATCCAGAGGAAGAAGGAGTTCGCAACCCAGCA
TCTACGAGAACTGATCCAGTTCTGTGCCATTGATGAGCTGGGCACCACTACCCAAAGGATATGTTCGA
TCCCCACGGCTGGTCTGAAGACTCCTACTATGAGGCATTAGCCAAAGGCCAGAAAGATTGAAATGGACAAA
TTAGAAAAGGCCAAAAAGGAGCGAACAAAAATTGAGTTTGTAAACGGGCACCAAGAAAGGCCACCACGACCA
ATGCCACGGCCACCAGCACCAGTACTGCCAGCACAGCTGTGCGAGATGCCAGAAGAGGAAGAGCAAGTG
GGACTCTGCCATCCCCGTGACGACAATAGCACAGCCCACCATCCTCACCACCACAGCCACCCTGCCAGCA
GTGGTCACTGTCAACCACTAGTGCCAGTGGCTCCAAGACCACCGTCATCTCTGCTGTGGGCACCATCGTGA
AGAAGGCCAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR224868 representing NM_020483
 Red=Cloning site Green=Tags(s)

MAGKKNVLSLAIYAEYSDPESDGETGVDAVGGATEEKGGLVSDAYGEDDFSRPGGDEGDYEEEEEDENSK
 QSEDDDDSETEKPEADDPKDNTAEKRDPQELVASFSEVRNMPDEIKIPPEPPGRCSNHLQDKIQKLYE
 RKIKEGMDMNYIIQRKKEFRNPSIYEKLIQFCAIDELGTNYPKDMFDPHGWSSEDSYEEALAKAQKIEMDK
 LEKAKKERTKIEFVTGTKKGTNNATATSTSTASTAVADAQKRKSKWDSAIPVTTIAQPTILTTTATLPA
 VVTVTTSASGSKTTVISAVGTIVKKAKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9077_a05.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_020483

ORF Size: 924 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_020483.3](#), [NP_065229.2](#)

RefSeq Size: 2086 bp

RefSeq ORF: 927 bp

Locus ID: 57230

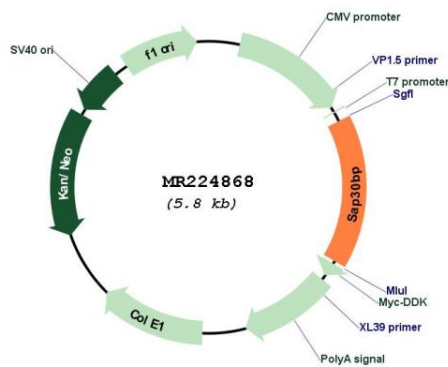
UniProt ID: [Q02614](#)

Cytogenetics: 11 E2

MW: 33.8 kDa

Gene Summary: Induces cell death. May act as a transcriptional corepressor of a gene related to cell survival (By similarity). May be involved in the regulation of beta-2-microglobulin genes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224868