

Product datasheet for **MG208284**

2010005J08Rik (BC066994) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2010005J08Rik (BC066994) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	2010005J08Rik
Synonyms:	2010005J08Rik; 9130001I21Rik; AW060359; mKIAA1507; Urg4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208284 representing BC066994
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAAGGAGATGACTGCGGGTTCATTATGGAGATGGTACAAACGAGGCTCAGGACAATGACTTCCCCA
 CAGTGGAGAGAAGCAGGCTTCAGGAGATGCTGTCCTGTTGGGACTGGAGACATACCAGGCACAGAAGCT
 CACCCTCCAGGACTCCCTGCAGATCAGTTTTGACAGCATGAAGAACTGGGCTCCTCAGGTTCCCAAGGAC
 CTTCCCTGGCATTTCCTCAGGAAGCTGCAGGCACTCAACGCCGAAGCCAGGAACACCACCATGGTGTGG
 ACGTGCCTCCAGAGGCTGGCTGCAGAGAAGGAGAGCCAGGCAGAGGAGGAGATGATGTACTGGGACCC
 AGCGGAGGACGTCGCTGCTGACATCTACTTTCTCAGAGCTGCCATGCCTGATACGCCTGTGAACCCC
 CTGGATCTTCTGCGCCCTCTGCTGTCTTCAGACACCTTTCTGCAGCAGGAAGTCTGCTGAAGATGT
 CCCTCTGTGAGTTGCACTCCACTTGTGTTGCCCGATTCTGAAAACCACTACCACACCTTTCTGCTCTG
 GGCCTGCGGGGTGTTGTGCGGACGTGGTGGTCCAGCCCTCCGGAGCCTGGGGAGTTTCCGAGAAGAC
 AGTGTGGTCTGTCCAGGGTGCCACGTTTGCCTTCGTGCGCATGGATGTAGCAGCAACTCCAAGTCCC
 AGCTGCTCAATGCCGTCCTCAGCCCGGCCCGCCAGTGGGACTGCTTCTGGCATCGGGACCTCAATTT
 AGGCACTAATCCTCGCGAGATCTCGGATGGGTTAGTAGAGATCTCCTGGTTTTTCCCCAGTGGTAAGGAG
 GACCTGGATGTTTTCCCGAGCCATGGCCTTTCTGAAGTTGAGAGGTGACATTGGGTCTCACTGGCTGC
 AGTTCAAGCTCTTGACAGAAGTCTCCTCTGCTGTGTTATTTTACTGACAACATCAGCAAGAAGGAATA
 CAAACTGCTGTACTCCATGAAGGAGTCAACCACAAAGTACTACTTCATCCTGAGTCCCTACCGAGGGAAA
 CGGAACACGAACCTGCGCTTCTCAACAGGCTGATCCCAGTGTGAAGATAGACCACTCTCACGTCTGG
 TGAAGTTCAGCAGCACGGACAGCGAGGGCTTCGTGAGGCGCATCCGAGCCATCATGTGAGTGTGGCTCG
 CTCTCCCTGCAGGAGGGTGTCTGTGGAGGACATGGCACACGCGGCACGTAAGCTCGGCCTCAGAGTTGAT
 GAGGACTTTGAGGAGTGTGAGAAGGCAAAGGACCGGATGGAGAAAATCCTCAGGAAGATCAAGGATGTGG
 ACGCCTACAAGAGAGACGAGCTGCGGCTGCAGGGCGAGCCTGCGAGGAGGGCCGCCAAGCTGAAAGAGA
 GTTCTGCCAGCTCCAGTGGGTCCCGAGCCCCAGAGAAGCACCGGGCCGAGCTGAGACGGCGCTCCTT
 GAGCTCCGGGTGCAGCAGAATGGCCAGGAGCCACCTCAGGGTCCAGGAGTTCATCCTGGGAATAAGCA
 GCCCTCCCTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208284 representing BC066994
 Red=Cloning site Green=Tags(s)

MEGDDCGFHYDGTNEAQDNDPPTVERSRLQEMLSLLGLETYQAQKLTLDLSLQISFDSMKNWAPQVPKD
 LPWHFLRKLQALNAEARNTTMVLDVPPEAWPAEKESQAEEEMMYWDPADVAADIYSFSELPMPDTPVNP
 LDLLCALLLSSDTFLQEVLLKMSLCQFALPLVLPDSENHYHTFLLWALRGVVRTWWFQPLRSLGTFRED
 SVVLSRVPTFAFVRMDVSSNSKSQLLNAVLSARRQWDCFWRDLNLGTPREISDGLVEISWFFPSGKE
 DLDVFPEPMAFLNLRGDI GSHWLQFKLLTEVSSAVFILTDNISKEYKLLYSMKESTTKYYFILSPYRGK
 RNTNLRFLNRLIPVLKIDHSHVLVKVSSDSEGFVRRIRAIMCSVARSPCRRVSVEDMAHAARKLGLRVD
 EDFEECQKAKDRMEKILRKIKDVDAYKRDELRLQGEPARRAAQAERFCQLQWVPEPPEKHRAELRRVL
 ELRVQNGQEPTSGVQEFILGISSPSL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC066994

ORF Size: 1553 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: [BC066994](#), [AAH66994](#)

RefSeq Size: 3342 bp

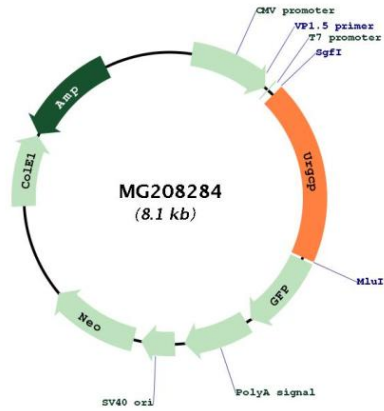
RefSeq ORF: 1553 bp

Locus ID: 72046

Cytogenetics: 11 A1

Gene Summary: May be involved in cell cycle progression through the regulation of cyclin D1 expression. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208284