

Product datasheet for **MC208611**

Guk1 (NM_001159410) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Guk1 (NM_001159410) Mouse Untagged Clone
Tag: Tag Free
Symbol: Guk1
Synonyms: AA409738; AL033299; AL033300; AV026611; Gmk; Guk-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208611 representing NM_001159410
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGGCTGCAACACATCAAGTAGGCATGGCAGGACCTAGGCCAGTAGTGCTGAGCGGGCCGTAGGGG
CAGGGAAGAGCACTCTGCTCAAGAAGCTGTTCCAGGAGCACAGCAGCATCTTCGGCTTCAGCGTGTCTCA
TACTACAAGGAACCCACGACCTGGTGAAGAAGATGGCAAAGATTACTACTTTGTGACCAGGGAGATGATG
CAGCGTGATATTGAGCAGGGGACTTCATTGAGCATGCTGAGTTCTCAGGGAACCTGTACGGGACAAGCA
AGGAAGCTGTTCCGGCTGTGCAGGCCATGAACCGCATCTGCGTGCTAGATGTCGACCTACAGGTGTGCG
CAGCATCAAGAAGACTGATCTGTGTCCCATCTACATCTTTGTGCAGCCTCCCTCGCTGGAGCTGCTGGAG
CAACGACTGCGACTGCGCAACACTGAGACTGAGGAGAGTCTGGCAAAGCGGCTGGCAGCTGCACGGACAG
ACATGGAGAGCAGCAAGGAGCCTGGCTTGTGGACCTGGTGATCATCAATGACGACCTGGATAAAGCCTA
TGCAACCTGAAGCAGGCGCTCTCTGAGGAAATCAAGAAAGCACAGGGAAGTGGCCACGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001159410
Insert Size: 624 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



[View online »](#)

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:	<u>NM_001159410.1</u> , <u>NP_001152882.1</u>
RefSeq Size:	935 bp
RefSeq ORF:	624 bp
Locus ID:	14923
UniProt ID:	<u>Q64520</u>
Cytogenetics:	11 B1.3
Gene Summary:	Essential for recycling GMP and indirectly, cGMP.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region, compared to variant 1, resulting in an isoform (2) with a distinct and shorter N-terminus, compared to isoform 1.