

Product datasheet for MC208610

Guk1 (NM_008193) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Guk1 (NM_008193) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Guk1
Synonyms:	AA409738; AL033299; AL033300; AV026611; Gmk; Guk-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208610 representing NM_008193 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCGGGCGCCGCTGGTGGGCTGGCGGTGGCCGCCCTGGTGGGTCCCCGCGGACGGCATGGCAG
GACCTAGGCCAGTAGTGCTGAGCGGGCCGTGAGGGCAGGAAGAGCACTCTGCTCAAGAAGCTGTTCCA
GGAGCACAGCAGCATCTTCGGCTTCAGCGTGTCTCATACTACAAGGAACCCAGACCTGGTGAAGAAGAT
GGCAAAGATTACTACTTTGTGACCAGGGAGATGATGCAGCGTGATATTGCAGCAGGGGACTTCATTGAGC
ATGCTGAGTTCTCAGGGAACCTGTACGGACAAGCAAGGAAGCTGTTGGGCTGTGCAGGCCATGAACCG
CATCTGCGTGCTAGATGTGACCTACAAGGTGTGCGCAGCATCAAGAAGACTGATCTGTGCCATCTAC
ATCTTTGTGCAGCCTCCCTCGCTGGACGTGCTGGAGCAACGACTGCGACTGCGCAACACTGAGACTGAGG
AGAGTCTGGCAAAGCGGCTGGCAGCTGCACGGACAGACATGGAGAGCAGCAAGGAGCCTGGCTTGTTTGA
CCTGGTGATCAATGACGACCTGGATAAAGCCTATGCAACCCTGAAGCAGGCGCTCTCTGAGGAAATC
AAGAAAGCACAGGGAAGTGGCCACGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_008193
Insert Size:	660 bp



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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).
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:	NM_008193.3 , NP_032219.2
RefSeq Size:	1098 bp
RefSeq ORF:	660 bp
Locus ID:	14923
UniProt ID:	Q64520
Cytogenetics:	11 B1.3
Gene Summary:	Essential for recycling GMP and indirectly, cGMP.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). CCDS Note: The coding region has been updated to extend the N-terminus to one that is more supported by available transcript and conservation data.