

Product datasheet for MC207098

1700012G19Rik (BC083113) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1700012G19Rik (BC083113) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	1700012G19Rik
Synonyms:	1700012G19Rik; AI481330; AUM; G3PP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC083113 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGGGCGGAAGCCGGTGGCGACGAAGCCCGCTGCGTGCGGCTGAGCGCCGAGCGGGCCAAGTTGC
TGCTGGCCGAGGTGGACACGCTGCTGTTTCGACTGCGATGGCGTGTGTGGCGGGCGAGACGGCCGTGCC
GGGGGCGCCGAGACTCTGCGGGCTCTGCGGGCCCGGCAAGCGACTGGGCTTCATCACCACAACAGC
AGCAAGACTCGCACGGCCTACGCGGAGAAGCTAAGGCGCTTGGTTCGCGCGCCCGGTGGGCCCCGAAG
CTGGCCTCGAGGTGTTTCGGCACGGCCTATTGCAGCGCGCTCTATCTGCGCAACGCTGGCCGGCGTGCC
GGACCCCAAGGCCTACGTGCTGGGAGCCCGCCCTTAGCAGCCGAGCTGGAGGCGGTGGGTGCTACTAGC
GTGGGCGTGGGCCCGGACGTGCTTCACGGCGATGGCCCCAGCGACTGGTAGCCGTGCCGCTCGAACCCG
ACGTGCGCGCGGTAGTGGTGGGCTTCGACCCACACTTCAGCTACATGAAGCTCACCAAGGCCGTGCGGTA
CCTGCAGCAGCCCGACTGTCTGCTCGTGGGCACCAACATGGACAACCGGCTCCCGCTAGAGAACGGCCGT
TTCATTGCGGGTCCGTGCACCTAG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	BC083113
Insert Size:	654 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:	BC083113 , AAH83113
RefSeq Size:	1175 bp
RefSeq ORF:	653 bp
Locus ID:	67078
Cytogenetics:	17 A3.3
Gene Summary:	Glycerol-3-phosphate phosphatase hydrolyzing glycerol-3-phosphate into glycerol. Thereby, regulates the cellular levels of glycerol-3-phosphate a metabolic intermediate of glucose, lipid and energy metabolism (PubMed:26755581). Was also shown to have a 2-phosphoglycolate phosphatase activity and a tyrosine-protein phosphatase activity. However, their physiological relevance is unclear (PubMed:26755581, PubMed:24338473). In vitro, has also a phosphatase activity toward ADP, ATP, GDP and GTP (PubMed:24338473).[UniProtKB/Swiss-Prot Function]