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Product datasheet for MC218609

Glis1 (BC066157) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glis1 (BC066157) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Glis1
Synonyms:	Gli6, GliH1, Gli5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC218609 representing BC066157
Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCAGCGCCCACACACCCCTGCCCACCCACTGCCGAGCCCCATCGTCCATGGGTCTGCCCTCAGACC
TGGACTTTCCAGACCGAGGCCTCACCAACCCTGCACCTTCCTGCTACCTTCTGGGCAATGAACCCATCTC
AGACCTGGGTCCCCAACCCGAGGCCCACCTCCCCGAGGGCAGCCTGAAACGCTGCTGCCTCCTGGGCCTG
CCCCCCACCTCTTCAGCCTCCTCCTCACCCTGTGCCTCCTCAGATATCAATCCTGTCATCCACTCCTCCC
AGACAGCTCTAGTTAGCTGTGTAAATGGACTCCGAAGCCCACCTCTGCCGGGAGACCTGGGGGGCCCTCC
CAAGCGGTCACGGCCCGGGCCTGCATCCAGTGACGGCCAGGAGGGCAGCTTGCAGCTTGAAGCATGCCGG
AAGTCAGGCTTCCTGAAGCAGGAGCCCATGGACGAGTTTTCAGAGCTTTTTGCTCCACACCACCAGGGTT
TGCCACCCCCTTACCCCTTGCCTCAGTTGCCAACTGGCCCCGGCCTCGGAGGCCTAGGGCTGGGCCTGGC
AGGTAGGATGGTTGCCGGTCGGCAGGCATGCCGCTGGGTGGACTGCTGCGCAGCCTACGGGCAGCAGGAG
GAGCTGGAGCGGCACATCGAGAAGAGCCACATCGACCAGCGCAAGGGCGAAGACTTCACCTGCTTCTGGG
CCGGGTGTGTGCGGCGCTACAAGCCCTTCAATGCCCGCTACAAGCTGCTCATCCACATGAGGGTACACTC
AGGCGAGAAGCCCAACAAGTGCATGTTCGAAGGCTGCAGTAAAGCCTTTTCCCGTCTGGAGAACCTGAAG
ATCCATCTGCGGAGCCACACAGGCGAGAAACCATACCTGTGCCAGCACCCAGGCTGCCAGAAGGCCTTCA
GCAACTCCAGCGACCGTGCCAAGCACCAACGCACCCACCTCGACACGAAGCCATATGCTTGTCAGATCCC
TGGCTGCTCCAAGCGCTACACGGACCCCAGCTCCCTCCGCAAGCACGTGAAGGCCCACTCAGCCAAAGAG
CAGCAGGTGCGTAAGAAGCTGCACACAGGTGCCGACCCAGAGGCTGATGTTCTGTCCGAGTGTCTGTCCC
TGCAGCAGCTCCAAGCATCCACACTGTTGCCGGCCAGCAGAGGGAAGGGCAGCCAAACCCTGAGCCAGGA
GCTCCTCCCAGGTGTGTATCCTGGCTCCGTCACCCCACAAAACGGGCTTGCTTCAGGCATCCTGTCCCCC
TCCCACGATGTCCCTTCCAGGCACCACCCACTGGAGGTCCCCACTGGTTCCCACCACCACCTGTCCCCTC
TGCCCACAGCTGAGAGCACCAGGGATGGCCTGGGGCCCAGTCTCCTTTCACCCATGGCCAGCCCACTGAA
GGGGCTTGGTCCCCCACCGCTACCACCAGCCTCCCAGAGTCAGTCTCCAGGGGGACAGTCATTCTCTACA
GTCCCCAGCAAGCCTACCTCCCCATCCTTCCAAAGCCCACCACCTCTGCCCAGCCCCCAAGGCTACCAAG
GCAGTTTCCATTCCATCCAGAACTGCTTCCCCTACGCTGACTGCTACCGGGCCACTGAGCCAGCAGCCTC
CAGGGATGGACTGGTGGGTGATGCCCACGGTTTCAACCCCTTGCGACCCAGCACATACTCCAGCCTCAGC
ACACCTTTATCCGCACCAGGCTACGAGACCCTGGCAGAAACGCCGTGTCCCCCAGCGCTGCAGCCACAGC
CAGCTGAAGACCTGGTACCTAGTGGTCCTGAGGACTGTGGCTTCTTCCCCAATGGGGCCTTTGACCACTG
TCTGAGTCACATCCCGTCCATCTACACTGACACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC066157

Insert Size: 1857 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).

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:	BC066157, AAH66157
RefSeq Size:	2431 bp
RefSeq ORF:	1856 bp
Locus ID:	230587
Cytogenetics:	4 C7
Gene Summary:	Acts as both a repressor and activator of transcription (PubMed:12042312, PubMed:12385751, PubMed:21654807). Binds to the consensus sequence 5'-GACCACCCAC-3' (PubMed:12042312). By controlling the expression of genes involved in cell differentiation inhibits the lineage commitment of multipotent cells (PubMed:21654807, PubMed:30544251). Prevents, for instance, the differentiation of multipotent mesenchymal cells into adipocyte and osteoblast (PubMed:30544251).[UniProtKB/Swiss-Prot Function]