

## Product datasheet for **MC204306**

### Glis2 (NM\_031184) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Glis2 (NM_031184) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Glis2
Synonyms:	Gli5; Klf16; Nkl
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC021517
CCACGCGTCCGGCCGGAACCCGCAGCCGGAGCCAGTCAGCCCGGCAGCCGAGGTTCTGCCTCAAGACCA
GTTGGGTACATCTTTGACACGCCCTCCCACCATGCACTCCTTGGACGAGCCCTCGACCTAAAGCTGAGC
ATCACC AAGCTCCGAGCCGCAAGAGAGAAGAGAGAAAGGACACTGGGTGTGGTCCGGCATCATGCTTTGC
ATCGAGAGCTGGGCTGGTGGACGATAGCCCCGCCCTGGCTCCCAGGCTCTCCACCACCAGGTTTCTCT
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TTGTAGTGTATGGTTTTCTCCTTCTGGCTCCATGGCTGTAGCATAGAGTTTAAAAAAGAGAGATAAG
CTAATGACTATAACAATATATTCCTCCATGGGAGAGGAAGTTTATACAGAAAATAAAGTGTGAGTTGCA
AGATGGTTTTCTGCAAAAAAAAAAAAAAAAAA
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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_031184
<b>Insert Size:</b>	1566 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC021517</a> , <a href="#">AAH21517</a>
<b>RefSeq Size:</b>	3460 bp
<b>RefSeq ORF:</b>	1566 bp
<b>Locus ID:</b>	83396
<b>UniProt ID:</b>	<a href="#">Q8VDL9</a>
<b>Cytogenetics:</b>	16 2.45 cM
<b>Gene Summary:</b>	Can act either as a transcriptional repressor or as a transcriptional activator, depending on the cell context. Acts as a repressor of the Hedgehog signaling pathway. Represses the Hedgehog-dependent expression of Wnt4. Necessary to maintain the differentiated epithelial phenotype in renal cells through the inhibition of SNAI1, which itself induces the epithelial-to-mesenchymal transition. Represses transcriptional activation by CTNNB1 in the Wnt signaling pathway. May act by recruiting the corepressors CTBP1 and HDAC3. May be involved in neuron differentiation.[UniProtKB/Swiss-Prot Function]