

## Product datasheet for **SC317889**

### GLIS2 (NM\_032575) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GLIS2 (NM_032575) Human Untagged Clone
Tag:	Tag Free
Symbol:	GLIS2
Synonyms:	NKL; NPHP7
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_032575 edited  
 ATGCACTCCCTGGACGAGCCGCTCGACCTGAAGCTGAGTATCACCAAGCTCCGGGCGGCA  
 AGAGAGAAGCGGGAGAGGACGCTGGGTGTGGTCCGGCCCCGTGCTCTGCACAGGGAGCTG  
 GGCCTGGTGGATGACAGCCCCACACCTGGCTCTCCAGGCTCCCCGCCCTCAGGCTTCTG  
 CTGAACTCCAAGTTCCCCGAGAAGGTGGAGGGACGCTTTTCAGCAGCCCCCTCGTGGAC  
 CTCAGCTGTACCACCATCTGGGCTGGACTCCCCAATGGCAGCAGCTCGCTGTCCCC  
 GAGCGCCAGGGCAACGGGACCTGCCTCCAGTGCCTCCAGTGCCTCGGACTTCCAGCACTG  
 CGCTATTTGGATGGTGTCCCAGCTCCTTCCAGTTCTTCTGCCCCCTCGGCTCCGGGGG  
 GCCCTGCACCTGCCTGCCTCCTCCTTACCCTCCCAAGGACAAGTGCCTCTCGCCA  
 GACCTGCCCTGCCAAGCAGCTGGTGTGTGCTGGGCCAAGTGAACCAGCTCTTTGAG  
 CTCCTGCAAGACCTGGTGGACCATGTCAACGATTACCATGTCAAGCCGAGAAGGATGCG  
 GGGTACTGCTGCCACTGGGAGGGCTGCGCCGCCATGGCCGAGGTTTCAACGCCAGGTAC  
 AAGATGCTCATCCACATCCGCACACACCAACGAGAAGCCACACCGCTGTCCGACCTGC  
 AGCAAGAGCTTCTCCCGCTGGAGAACCTGAAGATCCACAACCGTGCACACAGGTGAG  
 AAGCCCTACGCTGCCCCCTACGAGGGCTGCAACAAGCGTATTCCAACCTCAGTGACCGC  
 TTTAAGCACACGCGCACCCACTATGTGGACAAGCCCTACTACTGCAAGATGCCCGCTGC  
 CACAAGCGCTACACGGACCCAGCTCACTGCGCAAGCACATCAAGGCCATGGCCACTTT  
 GTGTCCCACGAGCAGCAAGAGCTCCTGCAGCTGCGCCACCCCCAAGCCGCCACTGCC  
 GCCCCGACGGCGGCCCTATGTGAGTGGGGCCAGATCATATCCCAACCCAGCTGCC  
 CTCTTTGGAGGCCTGGCTGCCCCGCTTACCCTACCCTGGCCCCGGCCCCCTTGAC  
 CTCAGTGCCTGGCTGTGGCAACGGTGGGGCAGTGGGGTGGGGGGGCATGGGCCCT  
 GGGCTGCCAGGCCCGTCTGCCTCTCAATCTGGCCAAGAACCCGCTGCTGCCCTCGCCC  
 TTTGGGCTGGCGACTGGGCTTGCTGTGGTCTCCCTCCTTGTGGCGCAGCTGGTGGC  
 AAGGCCGAGGGGAGAAGGGGCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG  
 CACAAGACGCCCCTTGAAAGGACGGAGAGCAGCTGCTCCCGCCAAGCCCCGATGGACTC  
 CCCCTGTGCCAGGCACCGTGTGGACCTGTCCACGGGCGTCAACTCAGCTGCCAGCAGC  
 CCAGAGCGTTGGCCCCTGGCTGGGTGGTGTATCCCGCCGGGCTCGGTGTGCTCAAACCG  
 GCTGTGGTGAAGTGA

- Restriction Sites:** Please inquire
- ACCN:** NM\_032575
- Insert Size:** 1600 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:** [NM\\_032575.2](#), [NP\\_115964.2](#)

**RefSeq Size:** 3705 bp

**RefSeq ORF:** 1575 bp

**Locus ID:** 84662

**UniProt ID:** [Q9BZE0](#)

**Cytogenetics:** 16p13.3

**Domains:** zf-C2H2

**Protein Families:** ES Cell Differentiation/IPS

**Gene Summary:** This gene is a member of the GLI-similar zinc finger protein family and encodes a nuclear transcription factor with five C2H2-type zinc finger domains. The protein encoded by this gene is widely expressed at low levels in the neural tube and peripheral nervous system and likely promotes neuronal differentiation. It is abundantly expressed in the kidney and may have a role in the regulation of kidney morphogenesis. p120 regulates the expression level of this protein and induces the cleavage of this protein's C-terminal zinc finger domain. This protein also promotes the nuclear translocation of p120. Mutations in this gene cause nephronophthisis (NPHP), an autosomal recessive kidney disease characterized by tubular basement membrane disruption, interstitial lymphohistiocytic cell infiltration, and development of cysts at the corticomedullary border of the kidneys.[provided by RefSeq, Jan 2010]