

Product datasheet for **SC306467**

GLIS3 (NM_152629) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLIS3 (NM_152629) Human Untagged Clone
Tag:	Tag Free
Symbol:	GLIS3
Synonyms:	NDH; ZNF515
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_152629 edited
 ATCCTTTATGGTTGAAGGGTGTGGAGGAAGCAGAGTTTTTCATCAGCTGCTGAAGTGCCA
 ACTAATAGAGGTTTGAATGGCCGTAGAAAAATATTGTGTTACTTGTTTGTGCTAGGGG
 CTCTTGGCTTTGGCCCTCAGTGCAGTCCATTGGAAAAGGCAGCTGCAACAATCTAGTGG
 TCAACAGCAGTCCCATGATGGTTCAGCGACTGGGACTCATTTCACCTCCAGCAAGCCAGG
 TCTCTACAGCATGCAACCAGATCAGTCCTAGCTTACAGAGGGCAATGAATGCAGCCAACC
 TGAATATACTCCTTCAGATACCAGGTCCTTATTTTCGCGTGAGTCTTTGGCGTCCACGA
 CCTTGAGTCTGACGAAAGTCAGTCGGCCTCAAGCATGAAGCAGGAGTGGTCCCAGGGCT
 ACAGGGCCCTCCCTTCGCTCTCCAACCACGGCTCTCAGAATGGCCTTGATCTAGGGGATC
 TCCTTAGCCTTCCCTCCCGGACATCCATGTCCAGCAATAGTGTCTCTAACTCATTACCAT
 CCTACCTTTTTGGCACGAAAGTAGCCACTCTCCTTACCCTAGTCTCGGCACTCATCCA
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GCTAACCGATTGCTTCTCAGTGTCTCTTCAATAGAAAATAAGGTTTTATATGCCAAA
AAAAAAAAAAAAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_152629
- Insert Size:** 3000 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:** The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_152629.2.
- 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_152629.2](#), [NP_689842.2](#)

RefSeq Size: 3133 bp

RefSeq ORF: 2328 bp

Locus ID: 169792

UniProt ID: [Q8NEA6](#)

Cytogenetics: 9p24.2

Gene Summary: This gene is a member of the GLI-similar zinc finger protein family and encodes a nuclear protein with five C2H2-type zinc finger domains. This protein functions as both a repressor and activator of transcription and is specifically involved in the development of pancreatic beta cells, the thyroid, eye, liver and kidney. Mutations in this gene have been associated with neonatal diabetes and congenital hypothyroidism (NDH). Alternatively spliced variants that encode different protein isoforms have been described but the full-length nature of only two have been determined. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (b) has a shorter N-terminus when compared to isoform 1.