

## Product datasheet for **SC122050**

### LGICZ1 (ZACN) (NM\_180990) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LGICZ1 (ZACN) (NM_180990) Human Untagged Clone
Tag:	Tag Free
Symbol:	LGICZ1
Synonyms:	L2; LGICZ; LGICZ1; ZAC; ZAC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_180990, the custom clone sequence may differ by one or more nucleotides

```
ATGATGGCCCTATGGTCCCTGCTCCATCTCACCTTCTGGGGTTCAGCATTACCTTGCTGTTGGTCCACG
GGCAGGGCTTCCAAGGGACAGCAGCCATCTGGCCATCCCTCTTCAACGTCAACTGTCCAAGAAGGTTCA
GGAAAGCATCCAGATCCCGAACAATGGGAGTGCGCCCCTGCTCGTGGATGTGCGGGTGTGTCTCCAAC
GTGTTTAAATGTGGACATCTGCGATACACAATGTCCTCCATGCTGCTGCTTAGGCTGTCTGGCTGGACA
CTCGCTGGCCTGGAACACTAGTGCACACCCGCGGCACGCCATCACGCTGCCCTGGGAGTCTCTCTGGAC
ACCAAGGCTCACCATCTGGAGGCGCTCTGGTGGACTGGAGGGACCAGAGCCCCAGGCTCGAGTAGAC
CAGGACGGCCACGTGAAGCTCAACTGGCCCTCGCCACGGAGACCAACTGCAACTTTGAGCTCCTCCACT
TCCCCCGGACCACAGCAACTGCAGCCTCAGCTTCTACGCTCTCAGCAACACGGCGATGGAGTTAGAGTT
CCAGGCCACGTGGTGAACGAGATTGTGAGTGTCAAGAGGGAATACGTAGTTTATGATCTGAAGACCCAA
GTCCCACCCACAGCAGCTGGTGCCTGCTTCCAGGTGACGCTGAGGCTGAAGAACACGGCGCTCAAGTCCA
TCATCGCTCTCTTGGTGCCTGCAGAGGCACTGCTGTTGGCTGACGTGTGCGGGGGTGTGCTGCCCTCCG
GGCCATTGAGCGCATAGGCTACAAGGTGACATTGCTGCTGAGTTACCTCGTCTCCACTCCTCCCTGGT
CAGGCCCTGCCAGCTCCTCCTCCTGCAACCCACTGCTCATTTACTACTCACCATCCTGCTGCTGCTGC
TCTTCTCAGCACCATAGAGACTGTGCTGCTGGCTGGGCTGCTGGCCCGGGCAACCTTGGGGCCAAGAG
CGGCCCCAGCCCCAGAGGGGAACAGCGAGACGCAACCCAGGGCCTCATCTGCTGAAGAG
CCCTCCAGAGGAGTAAAGGGGTACAGAGAAGCTGGCCTGAGACTGCTGACCGCATCTTCTTCTCGTGT
ATGTGTTGGGGTGTGTCACCAATTGCTTTGTCAGGAATCTGGATGTGGGACGCTGCAAGTCTGA
CGCAGCCCTGGAGAGGCTGCACCCATGGCAGCGGCCTAGACTGTAA
```

Restriction Sites:	NotI-NotI
ACCN:	NM_180990



[View online »](#)

<b>Insert Size:</b>	1300 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>	<u><a href="#">NM_180990.2</a></u> , <u><a href="#">NP_851321.1</a></u>
<b>RefSeq Size:</b>	1473 bp
<b>RefSeq ORF:</b>	1236 bp
<b>Locus ID:</b>	353174
<b>UniProt ID:</b>	<u><a href="#">Q401N2</a></u>
<b>Cytogenetics:</b>	17q25.1
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Other, Transmembrane
<b>Gene Summary:</b>	LGICZ1 is a zinc-activated ligand-gated ion channel that defines a new subgroup of the cysteine-loop superfamily of ligand-gated ion channels (Davies et al., 2003 [PubMed 12381728]).[supplied by OMIM, Mar 2008]