

## Product datasheet for **SC337988**

### TRPS1 (NM\_001282902) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRPS1 (NM_001282902) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRPS1
Synonyms:	GC79; LGCR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282902, the custom clone sequence may differ by one or more nucleotides

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ATGCAGAGTAATATGGTCCGAAAAAGAACCCCTCTGAGAAACGTTGCAAGTGAAGGCGAGGGCCAGA
TCCTGGAGCCTATAGGTACAGAAAGCAAGGTATCTGAAAAGAACAAGAATTTTCTGCAGATCAGATGTC
AGAAAAACGGATCAGAGTGATGCTGCAGAACTAAATCATAAGGAGGAACATAGCTTGCATGTTCAAGT
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GCCCCAGTAAGGGAGGAACTTTCCCTCCTTCCGCATGATGAGGTGACAGACAGAAATATGTTGGCTTT
CTCATCTCCAGCTGCTGGGGAGTCTGTGAGCCCTTGAAGTCTCCGCAAAGAGCAGAGGCAGATGACCT
CAAGATATGGCCTGCACCCCTCAGGGGACTCACTGGAGACAAAGGAAGATCAGAAGATGTACCAAAGG
CTACAGAGGAAACAGGGCAAGCAGAGAGTGGTCAAGCCAATTGTCAAGGTTTGAAGCCAGTTTCAAGTGGC
CTCAAAAAACCCACAAGTGCCTTCAAGTGGGGGTGAAGACTGAATAAATCCAAAACCTGACTTACTGGTG
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ATAAAGCCCTCGATTCTCTAGACAAAATGGTACAGAGGCCACCAAGTACTACTGGTGTAAATTTGTGA
GTTTCAGCTGTGAGTCATCTAGCTCACTTAAACTGCTAGAACATTATGGCAAGCAGCAGGAGCAGTGCA
GTCAGGCGGCCTTAATCCAGAGTAAATGATAAGCTTTCCAGGGGCTCTGTCATTAATCAGAATGATCTA
GCCAAAAGTTCAGAAGGAGAGACAATGACCAAGACAGACAAGAGCTCGAGTGGGGCTAAAAAGAAGGACT
TCTCCAGCAAGGGAGCCGAGGATAATATGGTAACGAGCTATAATTGTGCTGACTTCTGTGACTCCGATATTC

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CAAAAGCCATGGCCCTGATGTAATTGTAGTGGGGCCACTTCTCCGTCATTATCAACAGCTCCATAACATT  
 CACAAGTGTACCATTAACACTGTCCATTCTGTCCCAGAGGACTTTGCAGCCCAGAAAAGCACCTTGGAG  
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 TCCTGGGGCGGCTGGAAGCTCGCGAGTCAAACATCAGTGCCATCAGTGTTCAATCACCACCCTGACGTA  
 GATGTACTCTCTTTCACTATGAAAGTGTGCATGAGTCCCAAGCATCGGATGTCAAACAAGAAGCAAATC  
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 GTCCTGTACCGAGGCGTAGAGGCTCCGGTGTTTTTGTGCCAATTGCCTGACCACAAAGACCTCTCTC  
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 TAACCCAGAGGCACTTCAAGGCTGAGCAGCTCAACAAACAGCAGAGGGGCAGCAATGAGGAGCAAGTCAAT  
 GGAAGCCCGTTAGAGAGGAGGTGAGAAGATCATCTAACTGAAAGTACCAGAGAGAAATCCACTCCCCA  
 GCCTAAGTAAATACGAAGCCAGGGTTCATTGACTAAAAGCCATTCTGCTCAGCAGCCAGTCTGGTTCAG  
 CCAAACCTGGATATTCACAAAAGGATGCAACCTTGCACATTCAGATAAAAAGTCCCTCAGGAAAGTACT  
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 TATAAGCTCTCCGTTCTGGGAATCCGCACTACTTGAAGTACGTCGCTGGCCTACCAATCCTTGCCAAA  
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 TCTAGATTTGGCGATCAAGCATTCCAGACCTGGGCCAACTGCAAACGGTGCCTCCAAGGAGAAAACGAAG  
 GCACCACCAAATGAAAAAATGAAGTCCCTTGAATGTAGTAAAAACAGAGAAAGTTGATAGAAGTACTC  
 AAGATGAACCTTCAACAAAATGTGTGCACTGTGGCATTGTCTTTCTGGATGAAGTATGATGCTTTGCA  
 TATGAGTTGCCATGGTGACAGTGGACCTTCCAGTGCAGCATATGCCAGCATCTTGCACGGACAAATAT  
 GACTTCACAACACATATCCAGAGGGCCTGCATAGGAACAATGCACAAGTGGAAAAAATGGAAAACCTA  
 AAGAGTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_001282902
- 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:** [NM\\_001282902.2](#), [NP\\_001269831.1](#)

**RefSeq Size:** 9514 bp

**RefSeq ORF:** 3858 bp

**Locus ID:** 7227

**UniProt ID:** [Q9UHF7](#)

**Cytogenetics:** 8q23.3

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** This gene encodes a transcription factor that represses GATA-regulated genes and binds to a dynein light chain protein. Binding of the encoded protein to the dynein light chain protein affects binding to GATA consensus sequences and suppresses its transcriptional activity. Defects in this gene are a cause of tricho-rhino-phalangeal syndrome (TRPS) types I-III. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) uses an alternate 5' structure which results in the use of an alternate start codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.