

## Product datasheet for **SC327377**

### REG4 (NM\_001159352) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	REG4 (NM_001159352) Human Untagged Clone
Tag:	Tag Free
Symbol:	REG4
Synonyms:	GISP; REG-IV; RELP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327377 representing NM_001159352. Blue=Insert sequence Red=Cloning site Green=Tag(s)

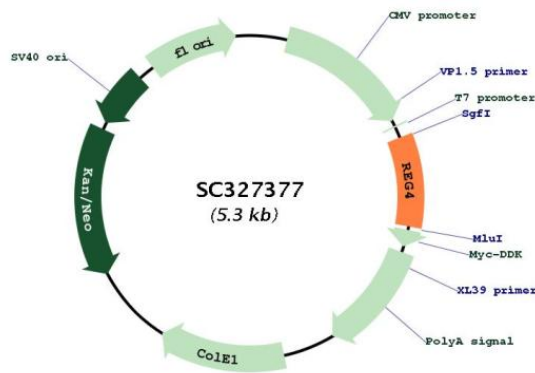
```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCTTCCAGAAGCATGCGGCTGCTCCTATTGCTGAGCTGCCTGGCCAAAACAGGAGTCCTGGGTGAT
ATCATCATGAGACCCAGCTGTGCTCCTGGATGGTTTTACCACAAGTCCAATTGCTATGGTTACTTCAGG
AAGCTGAGGAAGTGGTCTGATGCCGAGCTCGAGTGTGAGTCTTACGAAACGGAGCCACCTGGCATCT
ATCCTGAGTTAAAGGAAGCCAGCACCATAGCAGAGTACATAAGTGGCTATCAGAGAAGCCAGCCGATA
TGGATTGGCTGCACGACCCACAGAAGAGGCAGCAGTGGCAGTGGATTGATGGGGCCATGTATCTGTAC
AGATCCTGGTCTGGCAAGTCCATGGGTGGGAACAAGCACTGTGCTGAGATGAGCTCCAATAACAACCTT
TTAACTTGGAGCAGCAACGAATGCAACAAGCGCCAACACTTCCTGTGCAAGTACCGACCATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



**ACCN:** NM\_001159352

**Insert Size:** 477 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\\_001159352.1](#)

**RefSeq Size:** 1517 bp

**RefSeq ORF:** 477 bp

**Locus ID:** 83998

**UniProt ID:** [Q9BYZ8](#)

**Cytogenetics:** 1p12

**Protein Families:** Secreted Protein

**MW:** 18.2 kDa

**Gene Summary:** Calcium-independent lectin displaying mannose-binding specificity and able to maintain carbohydrate recognition activity in an acidic environment. May be involved in inflammatory and metaplastic responses of the gastrointestinal epithelium.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) is the longest transcript and encodes the longer 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.