

Product datasheet for **SC123014**

REG4 (NM_032044) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: REG4 (NM_032044) Human Untagged Clone
Tag: Tag Free
Symbol: REG4
Synonyms: GISP; REG-IV; RELP
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032044 edited
 CACTGAAGAAGGCAGGGCCCTTAGAGTCTTGGTTGCCAAACAGATTTGCAGATCAAGGA
 GAACCCAGGAGTTTCAAAGAAGCGCTAGTAAGGTCTCTGAGATCCTTGCCTAGCTACAT
 CCTCAGGGTAGGAGGAAGATGGCTTCCAGAAGCATGCGGCTGCTCCTATTGCTGAGCTGC
 CTGGCCAAAACAGGAGTCTGGGTGATATCATCATGAGACCCAGCTGTGCTCCTGGATGG
 TTTTACCACAAGTCCAATTGCTATGGTTACTTCAGGAAGCTGAGGAACTGGTCTGATGCC
 GAGCTCGAGTGTGAGTCTTACGGAAACGGAGCCACCTGGCATCTATCCTGAGTTTAAAG
 GAAGCCAGCACCATAGCAGAGTACATAAGTGGCTATCAGAGAAGCCAGCCGATATGGATT
 GGCCTGCACGACCCACAGAAGAGGCAGCAGTGGCAGTGGATTGATGGGGCCATGTATCTG
 TACAGATCCTGGTCTGGCAAGTCCATGGGTGGGAACAAGCACTGTGCTGAGATGAGCTCC
 AATAACAACCTTTTAACTTGGAGCAGCAACGAATGCAACAAGCGCCAACACTTCCCTGTGC
 AAGTACCAGCCATAGAGCAAGAATCAAGATTCTGCTAACTCCTGCACAGCCCGTCTCT
 TCCCTTCTGCTAGCCTGGCTAAATCTGCTCATTATTTAGAGGGGAAACCTAGCAAACCTA
 AGAGTGATAAGGGCCCTACTACACTGGCTTTTTTAGGCTTAGAGACAGAACTTTAGCAT
 TGGCCAGTAGTGGCTTCTAGCTCTAAATGTTTGGCCCGCCATCCCTTTCCACAGTATCC
 TTCTTCCCTCCTCCCCTGTCTGGCTGTCTCGAGCAGTCTAGAAGAGTGCATCTCCAGC
 CTATGAAACAGCTGGGTCTTTGGCCATAAGAAGTAAAGATTTGAAGACAGAAGGAAGAAA
 CTCAGGAGTAAGCTTCTAGCCCCCTTACGCTTCTACACCTTCTGCCCTCTCTCCATTGC
 CTGCACCCACCCAGCCACTCAACTCCTGCTTGTGTTTTTCCCTTTGGCCATGGGAAGGTTT
 ACCAGTAGAATCCTTGTAGGTTGATGTGGGCCATACATTTCCTTTAATAAACCATTTGTGT
 ACATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032044 unedited GGTAGCGTTTANAATTTGTNATACGACTCACTATAGGCGGCCGCGNATCCCGGGNTATC GTCGACCCAGCGTCCGCCACGCGTCCGCACTGAAGAAGCAGGGGCCCTTAGAGTCTTGG TTGCCAAACAGATTTGCAGATCAAGGAGAACCAGGAGTTTCAAAGAAGCGCTAGTAAGG TCTCTGAGATCCTTGACTAGCTACATCCTCAGGGTAGGAGGAAGATGGCTTCCAGAAGC ATGCGGCTGCTCCTATTGCTGAGCTGCCGGCCAAAACAGGAGTCTGGGTGATATCATC ATGAGACCCAGCTGTGCTCCTGGATGGTTTTACCACAAGTCCAATTGCTATGGTTACTTC AGGAAGCTGAGGAACTGGTCTGATGCCGAGCTCGAGTGTCAAGTCTTACGAAACGGAGCC CACCTGGCATCTATCCTGAGTTTAAAGGAAGCCAGCACCATAGCAGAGTACATAAGTGGC TATCAGAGAAGCCAGCCGATATGGATTGGCCTGCACGACCCACAGAAGAGGCAGCAGTGG CAGTGGATTGATGGGGCCATGTATCTGTACAGATCCTGGTCTGGCAAGTCCATGGGTGGG AACAGCACTGTGCTGAGATGAGCTCCAATAACAACCTTTTAACTTGGAGCAGCAACGAA TGCAACAAGCGCCAACTTCTGTGCAAGTACCGACCATAGAGCAAGAATCAAGATTCT GCTAACTCCTGCACAGCCCGTCTCTTCTTTCTGCTAGCCTGGCTAAATCTGCTCATT ATTTAGAGGGGAACTCTAGCAAACCTAAGAGTGATAAGGGCCCTATTACACTGGCTTT TTTTAGCTCTAGAAACGGAACTTTAGCATTGGCCAGTAT
Restriction Sites:	Please inquire
ACCN:	NM_032044
Insert Size:	1192 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).
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:	<ol style="list-style-type: none">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_032044.2 , NP_114433.1
RefSeq Size:	1285 bp
RefSeq ORF:	477 bp
Locus ID:	83998
UniProt ID:	Q9BYZ8
Cytogenetics:	1p12
Protein Families:	Secreted Protein

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 (2) lacks an exon in the 5' UTR, as compared to variant 1. Variants 1 and 2 encode the same protein (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.