

Product datasheet for **SC334617**

Regucalcin (RGN) (NM_001282849) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Regucalcin (RGN) (NM_001282849) Human Untagged Clone
Tag:	Tag Free
Symbol:	RGN
Synonyms:	GNL; HEL-S-41; RC; SMP30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282849, the custom clone sequence may differ by one or more nucleotides

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ATGTCTCCATTAAGATTGAGTGTGTTTTGCCAGAGAAGTCCCGGTGGTGGTGGTCTCCAGTATGGGAGG
AAGTGTCCAAGTCTCTGCTCTTTGTAGACATTCCTGCAAAAAAGGTTTCCCGGTGGGATTCACCAA
GCAAGTACAGCGAGTGACCATGGATGCCCCAGTCAGCTCCGTGGCTCTTCGCCAGTCGGGAGGCTATGTT
GCCACCATTGGAACAAAGTTCTGTGCTTTGAAGTGGAAAGAACAATCAGCAGTTGTCTTGGCCACGGTGG
ATAACGACAAGAAAAACAATCGTTCAATGATGGGAAGGTGGATCCCGCCGGGAGGTAATTTGCTGCCAA
CCGCAGAAGTGTACAAGCTAGAAAAGGAAGAACAATCCAGATGGAATGTGTATTGATGCTGAGGGG
AAGCTCTGGGTGGCCTGTTACAATGGAGGAAGAGTGATTCGTTTAGATCCTGTGACAGGAAAAGACTTC
AAACTGTGAAGTTGCCTGTTGATAAAACAATTCATGCTGCTTTGGAGGGAAGAATTACTCTGAAATGTA
TGTGACCTGCGCCGGGATGGGATGGACCCGAGGGTCTTTTGGGCAACCTGAAGCTGGTGAATTTTC
AAGATAACTGGTCTGGGGTCAAAGGAATTGCTCCCTACTCCTATGCGGGATGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282849
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).



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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_001282849.1](#), [NP_001269778.1](#)

RefSeq Size: 2041 bp

RefSeq ORF: 684 bp

Locus ID: 9104

UniProt ID: [Q15493](#)

Cytogenetics: Xp11.3

Gene Summary: The protein encoded by this gene is a highly conserved, calcium-binding protein, that is preferentially expressed in the liver and kidney. It may have an important role in calcium homeostasis. Studies in rat indicate that this protein may also play a role in aging, as it shows age-associated down-regulation. This gene is part of a gene cluster on chromosome Xp11.3-Xp11.23. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
Transcript Variant: This variant (4) lacks an alternate in-frame exon in the 5' coding region, compared to variant 2. It encodes isoform 3, which is shorter than isoform 1.