

Product datasheet for **SC334793**

Regucalcin (RGN) (NM_001282848) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Regucalcin (RGN) (NM_001282848) Human Untagged Clone
Tag:	Tag Free
Symbol:	Regucalcin
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_001282848, the custom clone sequence may differ by one or more nucleotides

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ATGGATGCCCCAGTCAGCTCCGTGGCTCTTCGCCAGTCGGGAGGCTATGTTGCCACCATTGGAACAAAGT
TCTGTGCTTTGAACTGGAAGAACAATCAGCAGTTGTCTTGGCCACGGTGGATAACGACAAGAAAAACAA
TCGCTTCAATGATGGGAAGGTGGATCCC GCCGGGAGGTA CTTTGTGGCACCATGGCTGAGGAAACAGCT
CCAGCAGTTCTTGAGCGGCACCAGGGGGCCCTGTACTCCCTCTTCTGATCACCACGTGAAAAAGTACT
TTGACCAGGTGGACATTTCCAATGGTTTGGATTGGTCGCTAGACCACAAAATCTTCTATTACATTGACAG
CCTGTCTACTCCGTGGATGCCTTTGACTATGACCTGCAGACAGGACAGATCTCCAACCGCAGAAGTGTT
TACAAGCTAGAAAAGGAAGAACAATCCCAGATGGAATGTGTATTGATGCTGAGGGGAAGCTCTGGGTGG
CCTGTTACAATGGAGGAAGAGTGATTTCGTTTAGATCCTGTGACAGGGAAAAGACTTCAAACGTGAAGTT
GCCTGTTGATAAAAACAATTCATGCTGCTTTGGAGGGAAGAATTACTCTGAAATGTATGTGACCTGCGCC
CGGGATGGGATGGACCCCGAGGGTCTTTTGGAGCAACCTGAAGCTGGTGGAAATTTCAAGATAACTGGTC
TGGGGGTCAAAGGAATTGCTCCCTACTCCTATGCGGGA TGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282848
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).



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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:	<u>NM_001282848.1</u> , <u>NP_001269777.1</u>
RefSeq Size:	2208 bp
RefSeq ORF:	741 bp
Locus ID:	9104
UniProt ID:	<u>Q15493</u>
Cytogenetics:	Xp11.3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 5' coding region and initiates translation at a downstream start codon, compared to variant 2. It encodes isoform 2, which has a shorter N-terminus, compared to isoform 1.</p>