

Product datasheet for **SC101207**

Regucalcin (RGN) (NM_152869) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Regucalcin (RGN) (NM_152869) Human Untagged Clone
Tag:	Tag Free
Symbol:	Regucalcin
Synonyms:	GNL; HEL-S-41; RC; SMP30
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152869, the custom clone sequence may differ by one or more nucleotides

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ATGTCCTCCATTAAGATTGAGTGTGTTTTGCCAGAGAAGTCCCGGTGGTGGTCTCCAGTATGGGAGG
AAGTGCCAACCTCTGCTCTTTGTAGACATTCCTGCAAAAAAGGTTTCCCGGTGGGATTCACCAA
GCAAGTACAGCGAGTGACCATGGATGCCCCAGTCAGCTCCGTGGCTCTTCGCCAGTCGGGAGGCTATGTT
GCCACCATTGGAACAAAGTTCTGTGCTTTGAACTGAAAGAACAATCAGCAGTTGTCTTGCCACGGTGG
ATAACGACAAGAAAAACAATCGCTTCAATGATGGGAAGGTGGATCCCGCCGGGAGGTAATTTGCTGGCAC
CATGGCTGAGGAAACAGCTCCAGCAGTTCTTGAGCGGCACCAGGGGGCCCTGACTCCCTCTTTCCTGAT
CACCACGTGAAAAAGTACTTTGACCAGGTGGACATTTCCAATGGTTTGGATTGGTCGCTAGACCACAAAA
TCTTCTATTACATTGACAGCCTGCCTACTCCGTGGATGCCTTTGACTATGACCTGCAGACAGGACAGAT
CTCCAACCGCAGAAGTGTTTACAAGCTAGAAAAGGAAGAACAATCCAGATGGAATGTGTATTGATGCT
GAGGGGAAGCTCTGGGTGGCCTGTTACAATGGAGGAAGAGTGATTCGTTTAGATCCTGTGACAGGGAAAA
GACTTCAAACGTGAAGTTGCCTGTTGATAAAACAACCTCATGCTGCTTTGGAGGGAAGAATTACTCTGA
AATGTATGTGACCTGCGCCGGGATGGGATGGACCCGAGGGTCTTTTGAGGCAACCTGAAGCTGGTGGGA
ATTTTCAAGATAACTGGTCTGGGGTCAAAGGAATTGCTCCCTACTCCTATGCGGGATGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_152869 unedited GCAATTTGTAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGAAGGAGTGGAG GTCAGAGTGTCACTTTTTTGTCTTTTTGAAAGATCTTCGAGAAACACGTCACTGATC TCCCCTGCGACCATGTCTCCATTAAGATTGAGTGTGTTTTGCCAGAGAACTGCCGGTGT GGTGAGTCTCCAGTATGGGAGGAAGTGTCCAACCTCTGCTCTTTGTAGACATTCCTGCA AAAAAGGTTTCCCGTGGGATTCATTACCAAGCAAGTACAGCGAGTGACCATGGATGCC CCAGTCAGCTCCGTGGCTCTTCGCCAGTCGGGAGGCTATGTTGCCACCATTTGGAACAAAG TTCTGTGCTTTGAACTGGAAAGAACAATCAGCAGTTGTCTTGGCCACGGTGGATAACGAC AAGAAAAACAATCGCTTCAATGATGGGAAGGTGGATCCC GCCGGGAGGTA CTTTGTCTGGC ACCATGGCTGAGGAAACAGCTCCAGCAGTTCTTGAGCGGCACCAGGGGGCCCTGTA CTTCC CTCTTTCTGATCACCACGTGAAAAAGTACTTTGACCAGGTGGACATTTCCAATGGTTTG GATTGGTCGCTAGACCACAAAATCTTCTATTACATTGACAGCCTGCTCTACTCCGTGGAT GCCTTTGACTATGACCTGCAGACAGGACAGATCTCAACCGCAGAAGTGTTTACAAGCTA GAAAAGGAAGAACAATCCAGATGGAATGTGTATTGATGCTGAGGGGAAGCTCTGGGTG GCCTGTTACATGGANGAAGAGTGATTTCGTTTAGATCCTGTGACAGNNAAGACTTCAACT GTGAAGTTGCCCTGTGATAAACACTTCATGCTGCTTGNAGGGAGATTACTCTGAAATGTT GTGACTGCGCCGNATGGGATGAACCCCGAGGCTTTTGTGACACCTGAGCTGGTGGATT TCAGATACTGTCTGGGGTCAAAGGATGCTCCTATTCTTGGCG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_152869 unedited CTTTGGTCCGTGCCGCATCTTAGAGTCGGTTTTTTTTTTTTTTTTTTTTTTTGT CATTACCT TTTTACTATTTATTGTTCCCTTGAAGCTTAAATATTGTTAAGTTTAAAATGCATAATCTAG AATAGATATGTTCCACCCACCCTGGCAATTTACAAAGAATCAAGTAGGCTGATTGACAG TTGAACGATTCTTCGCCCTTCTATAGTACCTTTTACAGAAAGCCTTATAAGTGTGTTATC AAAACCACCTGTCAACCCCTTGGTAAAAATGCTCTGCCTTTTAAAAGTTGGGAATTA AAC TTAACGCTGTTAATAAAATCATTGCCTCATTCTTTCTTCTAACTAGATTGAAATTT CAGG CCCAGAATTTCTAGTTGTCTTCAGAGCTCCCTCTGGCAGGAAAGAAGACCTGTCCTCAT CCCGCATAGGAGTAGGGAGCAATTCCTTTGACCCCCACACCAGTTATCTTGAAAATTTCA CCAACCTTCAGGTTGCCTTAAAAGACCCTCGGGTCCATCCCATCCCGGGCGCAGGTCACA TACATTTGAGAGTAATTTCCCTCCAAAGCAGCATGAAGTTGTTTTATCAACAGGCAAC TTCACAGTTTGAAGTCTTTCCCTGTACAGGATCTAAACGAATCACTCTTCCTGCATG TAACAGGCCACCCACAGCTTCCCTGAGCATCAATACACATTCCATCTGGGATTTGTTCT TCCTTTCTAGACTGGTAACACTTCTGCGGTTGGAGATCTGTCCTGTCTGCCAGTCATAG TCCAGGCATCCACGGAGGAGGACAGGCTGCAATGTAATACCACACTTTTGGTCTAGCG ACCAATCCAACATTGGNAATGTCCACCTGGTCAAGTACCTTTTACGTGGTGATCCGGA AAGAGGAGTCAGGGCCCCGGAGCCGTCAAGACTGTTGGACTGTTACCCAN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_152869
Insert Size:	1400 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:

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_152869.2](#), [NP_690608.1](#)

RefSeq Size: 2255 bp

RefSeq ORF: 900 bp

Locus ID: 9104

UniProt ID: [Q15493](#)

Cytogenetics: Xp11.3

Domains: SMP-30

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 (2) represents the longest transcript. Variants 1 and 2 encode the same isoform (1).