

Product datasheet for **RC236723**

Regucalcin (RGN) (NM_001282849) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Regucalcin (RGN) (NM_001282849) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RGN
Synonyms:	GNL; HEL-S-41; RC; SMP30
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC236723 representing NM_001282849 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCTTCATTAAGATTGAGTGTGTTTTGCCAGAGAACTGCCGGTGTGGTGAGTCTCCAGTATGGGAGG
AAGTGTCCAACCTCTGCTCTTTGTAGACATTCCTGCAAAAAAGGTTTGCCGGTGGGATTCATCCACAA
GCAAGTACAGCGAGTGACCATGGATGCCCCAGTCAGCTCCGTGGCTCTTCGCCAGTCGGGAGGCTATGTT
GCCACCATTGGAACAAAGTTCTGTGCTTTGAACTGGAAAGAACAATCAGCAGTTGTCTTGCCACCGTGG
ATAACGACAAGAAAAACAATCGCTTCAATGATGGGAAGGTGGATCCCGCCGGGAGGTACTTTGCTGCCAA
CCGAGAAGTGTTTACAAGCTAGAAAAGGAAGAACAATCCAGATGGAATGTGTATTGATGCTGAGGGG
AAGCTCTGGGTGGCTGTACAATGGAGGAAGAGTGATTCGTTTAGATCCTGTGACAGGGAAAAGACTTC
AAACTGTGAAGTTGCCTGTTGATAAAACAATTCATGCTGCTTTGGAGGGAAGAATTACTCTGAAATGTA
TGTGACCTGCGCCCGGATGGGATGGACCCCGAGGGTCTTTGAGGCAACCTGAAGCTGGTGAATTTTC
AAGATAACTGGTCTGGGGTCAAAGGAATTGCTCCCTACTCCTATGCGGGA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001282849.1 , NP_001269778.1
RefSeq Size:	2041 bp
RefSeq ORF:	684 bp
Locus ID:	9104
UniProt ID:	Q15493
Cytogenetics:	Xp11.3
MW:	25.4 kDa
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]