

Product datasheet for **SC337891**

RC3H1 (NM_001300850) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RC3H1 (NM_001300850) Human Untagged Clone
Tag:	Tag Free
Symbol:	RC3H1
Synonyms:	FHL6; IMDSHY; RNF198; ROQUIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001300850, the custom clone sequence may differ by one or more nucleotides

ATGCCTGTACAAGCTCCACAATGGACGGATTTCCTCTCCTGCCCAATTTGCACTCAGACTTTGACGAAA
 CAATTCGAAAGCCCATCAGTTTGGGTTGTGGCCATACTGTCTGCAAGATGTGCCTGAATAAACTCCACCG
 CAAGGCTTGCCCATTTGACCAGACCACTATCAATACAGACATTGAGCTCCTCCCTGTGAAGTCAAGTCA
 CTGCAGCTCGTGGGTGCTCAGGTCCTGAGCAGCAGCCTATTACTTTGTGTAGTGGGGTTGAAGACAAA
 AGCATTATGAGGAAGCCAAGAAATGTGTAGAAGAATTAGCATTGTACTTAAACCGCTCAGCAGTGCTAG
 AGGAGTGGGTCTGAACAGCACTACTCAGAGTGTCTGAGTCGCCAATGCAGAGGAAGCTTGTGACTCTA
 GTCCACTGTCACTAGTAGAAGAAGAAGGCAGGATTCTGTCATGAGGGCAGCTCGATCTTTAGGTGAAC
 GAACAGTTACAGAGCTCATTCTCCAGCACCAGAATCCTCAGCAACTCTCTTCAATCTTTGGGCAGCAGT
 AAGGGCTAGGGGATGCCAGTTCCTTGGACCAGCAATGCAGGAGGAAGCTTTAAAGTTGGTTCTGCTGGCC
 TTAGAAGATGGTTCTGCTTTGTCAAGAAAAGTATTGGTTCTGTTTGTGGTGCAAAGATTGGAGCCACGGT
 TTCCTCAAGCCTCTAAACTAGCATTGGGCATGTTGTTCAAGCTCCTTTATAGAGCCTCCTGTTTCAAGGT
 CACCAACGTGATGAAGACTCTTCTTTGATGCAGCTGAAAGAAGAATTTAGAACCATGAAGCTCTGCGG
 CGAGAACATGACTCCAGATAGTGCAGATTGCTATGGAAGCAGGCTTACGAATTGCACCGGACCAAGTGGT
 CCTCTTTGCTTTATGGAGACCACTCTCAAAATCTCATATGCAGTCCATTATTGACAAGTTGCAGACTCC
 AGCCTCTTTTGCACAGAGTGTTCAGGAATAACAATTGCTCTCCAGCGAACTGGAGACCCAGCAAACTTG
 AACCAGCTAAGACCCCATTTGGAGCTGTTAGCAAAACATTGACCCTAGTCCAGATGCTCCTCTCCTACTT
 GGGAAACAGCTGGAAAATGGGCTGGTTGCTGTGCGTACAGTGGTACATGGGCTGGTTGATTATATCCAGAA
 CCACAGCAAAAAAGGAGCAGATCAGCAGCAGCCTCCACAGCATAGCAATACAAAACATACATGTGTGCA
 GATATGAAGCAGAGAGGAGGATGCCCTCGTGGGCGCAGCTGTACATTTGCACACTCACAGGAGGAAGTGG
 AAAAAATTCGTAATAAAGCGCCTGGTCCGAGAAGACCCTTGAGTGCCTCTTTGGGTCAACTTAA
 TGAGGTGGGCTGCCTTCAGCAGCTATCCTTCAGATGAAGGTGCAGTGGATCTCCCTAGCAGAAAACCT
 CCTGCTCTGCCAATGGAATTGTATCAACAGGGAATACAGTAACACAGCTTATTCGCGAGGGACAGACC
 CCAGCTATGATTCTAGTCTGAAACCAGGAAAAATAGATCATCTGAGCAGTAGTGCTCCTGGATCCCTCC



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TGACCTGCTAGAATCTGTTCTAAGAGTATTTCTGCCTTACCTGTGAATCCACATTCTATACCTCCAAGG
 GGGCCAGCAGATCTGCCTCCAATGCCTGTTACCAAACTTCCAGATGGTACCTCGAGGTTCTCAGTTAT
 ATCCAGCACAACAGACGGATGTTTATTATCAGGATCCTCGAGGAGCAGCTCCGCCATTTGAACCAGCACC
 TTATCAGCAGGGTATGTATTATACTCCACCACCACAATGTGTGTCCTGCTTTGTCGACCTCCACCATCT
 GCTCCTGAACCTGCTCCTCCCTACTTGGATCATTATCCACCCTACCTCCAAGAAGCTGTTGTAACTCTC
 AGTATGGCACACAGCCACAGCAGTACCCACCTATATACCCATCTCACTATGATGGCCGTCGAGTGTACCC
 TGCTCCGCTTTACACAAGAGAAGAGATATTCGAGAAAAGCCCTATACCCATTGAGATTCCACCTGCAGCA
 GTACCATCGTATGTACCAGAATCCAGAGAAAGATACCAACAGATCGAGAGTTACTATCCAGTGGCTCCTC
 ATCCAACCTCAGATCAGACCTTCGTACCTCAGAGAACCTCCTTATAGCCGGCTTCCTCCTCCTCCCGAGC
 TCATCCTAGTCTAGATGAACACATCGCCGACGAAAGGAAATAATGGCCAGCTAGAGGAAAGAAAGGTT
 ATCTCTCCACCTCCTTTTGCACCTTCACCAACCTTGCCTCCTACCTTTTCATCCGGAAGAATTTTGGATG
 AAGACTTGAAGGTAGCTGGGAAATACAAAGGAAATGATTATAGCCAATACTCTCCTGGTCATGTGACAC
 CATCGGCTCCTACATTGGAACCAAAGATGCAAAACCCAAAGATGTTGTGGCAGCAGGGAGTGTGAAATG
 ATGAATGTGGAGAGTAAAGGAATGAGGGACCAGCGATTAGATCTTCAGAGAAGAGCAGCAGAAACAGTG
 ATGATGACCTCATCCATTTGGAGACCGACCAACAGTGTCTCGGTTTGGTGCCATCTCACGAACTTCCAA
 AACTATATATCAGGGTGTGCTGCTCAATGCAGGCTATGGCACCTCAGGGAGCTCCTACAAATCTATTAAC
 ATTTAGATTATAGTCCATATGGAACCCACGGTGGCTGGGGAGCTTCTCCATATTCACCTCATCAAAACA
 TACCTTCTCAGGGACACTTCAGTGAGAGGGAGAGAATATCTATGTGAGAAGTGGCCAGTCATGGAAGAAC
 CCTTCCATCTGCTGAGAGAGAACAGCTACGACTAGAATTGCAGCAATTGAACCATCAGATTAGCCAGCAG
 ACCCAGCTACGTGGACTAGAGGCTGTTAGTAACAGGCTGGTGTTCAGAGGGAGGCAAACACCTGGCAG
 GCCAGTCACAGCCCCACCACGCCACCTCCAAATGGCTGGGATGATCTCAAGTGAGCAGTTGAGCTT
 GGAAGTCACAGGTGGAAGGGGAAATCGGGAAGAGAACACGGGAAGTGAATGGAAGAACAGTGTCTC
 CTGGAGTGAAGGAACTGAATACAAGTAAACAAGCAGAAATGGACAACCAGAACCAAAACAAGG
 TTCCGGCTGAGGACCTTACATTGACATTACAGCAGTGATGTACCAATGGATCAGCCTTGACACAAGAGAA
 TATCAGCCTCCTATCAACAAGACCAGCTCTGAACCTGTCAGAGGACCTGAGGGAGGAGGGGATAAT
 AATGACTCCAGAGATCAGGAGTTACTCCAGTTCTGCTCCTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001300850
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:	<u>NM_001300850.1</u> , <u>NP_001287779.1</u>
RefSeq Size:	11129 bp
RefSeq ORF:	3405 bp

Locus ID: 149041

UniProt ID: [Q5TC82](#)

Cytogenetics: 1q25.1

Protein Families: Druggable Genome

Gene Summary: This gene encodes a protein containing RING-type and C3H1-type zinc finger motifs. The encoded protein recognizes and binds to a constitutive decay element (CDE) in the 3' UTR of mRNAs, leading to mRNA deadenylation and degradation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). 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.