

Product datasheet for **SC204837**

Rotatin (RTTN) (NM_173630) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Rotatin (RTTN) (NM_173630) Human 3' UTR Clone
Symbol:	Rotatin
Synonyms:	MSSP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_173630
Insert Size:	1150 bp
Insert Sequence:	>SC204837 3'UTR clone of NM_173630 The sequence shown below is from the reference sequence of NM_173630. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCGC
AACCTCGTGCAGCTCCTTAATTCTTCCTGAGTGCCATGGGATGCTACACCTTGAAGCTGACAGTCATCA
ACAGGGGAGCTAAAGTTGAAGCCAGCTGTGTAGCAGCTGTTACCTGAAGACGTGCTACCTCTCTACA
AAGTGTGATCCCTTTCTTTCCCATGAGAGAGAGAACTGGTGATACTCCAACACCGTCCAGTTGTGGCA
GCTCTCCAGAAGTAATAGCAGCTGACAACCTTTCTGTGCCTTTCTTTCTGTTGAAAAGGCATAGAAAG
TTCTGGGAACATAAACATTTTTACCCTTTCTATGCCATTTATTTGTAAAAATCCTATTTAACAGTTA
TTTAATAAAACAATATTTTAGAACTAAAAATTGACTAATAATTGCTGCTTACAGACTTTTATCAGTC
TCATGAATATTAATTTTAGGAGTTGAAATAAGACACTGTGTCTGGTTGTTTCTCTCTTTTTTAAATT
TTAACTGATGTAAATTTGGCTCTGTCAAGTGAATCCTTATTTTCAAACTTTCTGTTATCCAGAGCA
TCCCACTGGAAGGGCTATGTAGAAGTAAGTGTGATTATTTGTAAAGGGCTGTGTGGAAGTAAATG
TACATGATTTGTAAGTAGCTTTCTTAGGCAAGTTTGTAGTATGTTATCTTCTCTAGATGACTCTTAA
ATCATTACATGTATAATCTTACCGTTGTCTTGTGCAAGGCTGTGTAATAAAGAAGAAAGAAATAGAGT
TGGGGCTGTATAAGCCTGGGTTCAAATTTAGCTCAGCCCAAACATCATGAAGAATAGAGTAAGACTGA
AAAATGCAGAAGATGGCCGGGCTTGGTGGCTCATGCTTATACTTTCAGCTTTTGGGAGACCGAGGTAG
GTGGATCACTTGAGGCCAGGAGTTTGTAGACCAGCTTGGGCAACTTGGTGAATCCCATCTCTCCTAAAA
ATACAAAAATTAGCCATTCTGCTTGTAGCGTCTATAATCTCAGCTACTCCAGTGGCTGAGGCACGAG
AATCTCTTCAACCTGGGAGGCAGGAGGTTGCAGTGAGCTGAGATCATGCCACTGCATTCCAGCGTGGG
TGACAAAGCAAGACTCTGTCTCAAAAAAAAAAAAAAAAAAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_173630.4</u>
Summary:	This gene encodes a large protein whose specific function is unknown. Absence of the orthologous protein in mouse results in embryonic lethality with deficient axial rotation, abnormal differentiation of the neural tube, and randomized looping of the heart tube during development. In human, mutations in this gene are associated with polymicrogyria with seizures. In human fibroblasts this protein localizes at the ciliary basal bodies. Given the intracellular localization of this protein and the phenotypic effects of mutations, this gene is suspected of playing a role in the maintenance of normal ciliary structure which in turn effects the developmental process of left-right organ specification, axial rotation, and perhaps notochord development. [provided by RefSeq, Jan 2013]
Locus ID:	25914
MW:	43.7