

## Product datasheet for **SC211848**

### **RYK (NM\_002958) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** RYK (NM\_002958) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** RYK  
**Synonyms:** D3S3195; JTK5; JTK5A; RYK1  
**ACCN:** NM\_002958  
**Insert Size:** 1050 bp  
**Insert Sequence:** >SC211848 3'UTR clone of NM\_002958

The sequence shown below is from the reference sequence of NM\_002958. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTTCATGCAGCCCTGGGGCCTACGTCTGACTCCTCTCCAATCCCACACCATCAGGAAGAAGGTGCCTG
TCGGGGCTCACTTGAAGCCTGTCAGGGATGCTTTGTATCTAACACAACGCCAACAGAAGCACATTTGTC
TTCCAGAACACCGTGCCTTAGAAATGCTTTAGAACTCTGAACTTTTTAAGACAGACTTAATAATGTGGCA
TATTTTCTAGATACACTTTTATTAGGTTGAACTGAAAGGGTTTTTGTAAATTTTTGGCCAAAATTTT
TTAAAACATACTTACTTTGGACTAGGGGTACATCTTACAAAATAAATAAACAGTTTTTAAATTTGTTT
AGACACAGATATTTGGAATTAGCTATCTTAGTGCCAAGTCTTTTTATTTTTTACTTCATCAAGGTGA
TGTAAGTGACTCACCTTTAAAGTTTTTTTAGTGTATTTTTTATCACTACTCTGGGAAATGGTTGTCT
TCAAGATGCAATACTTTCTTAGTAAAGGAAAAACAGCATAAAAAGATACCTGGTCTGCCTGTACAAG
AAAAGGCAATATTAGAGGAAGAAAATTTAAAGAAAAGCTAGAGGAAAAAAAAATTTTTTAAAAACT
TATTAGAAGCAAAGTGCCTTGCATGAAAACTGTTTATTTTTTTCAGTAAAAGGAATTCTGCTTTGCG
TGTTTTTGGGAAAGCAGGAAGTTCATTACATCTTTAATTTGGCAGAAATTAGCCTTTCTGTGAAC
CAGATGTGGTTTGGGGCAGATCTGTAGTAAACAATGGTGAATTTATTTTTTACTCTCTGGAAAAGG
AGATAATAACAATCCAGAAAGTGAAGTCAATTTCTAAGGTTAAGATCCCTTTTATTGCACCTAGAAT
AGTGCTATGCACAGAGCGGGTGTGTTGAGTTGTTGTCGTTTTTTGTTGTTTTTAAATGTAAGTGGTA
AATTTTGTGCTTATCTTCAAGGCTGGCTTAAGTATAAAATGTTTTTAAACACTTGAAAAATTAAGG
ATTTGTTTTATATTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_002958.4</a></u>
<b>Summary:</b>	The protein encoded by this gene is an atypical member of the family of growth factor receptor protein tyrosine kinases, differing from other members at a number of conserved residues in the activation and nucleotide binding domains. This gene product belongs to a subfamily whose members do not appear to be regulated by phosphorylation in the activation segment. It has been suggested that mediation of biological activity by recruitment of a signaling-competent auxiliary protein may occur through an as yet uncharacterized mechanism. The encoded protein has a leucine-rich extracellular domain with a WIF-type Wnt binding region, a single transmembrane domain, and an intracellular tyrosine kinase domain. This protein is involved in stimulating Wnt signaling pathways such as the regulation of axon pathfinding. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Feb 2012]
<b>Locus ID:</b>	6259
<b>MW:</b>	41