

Product datasheet for **SC100201**

Rhotekin 2 (RTKN2) (NM_145307) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhotekin 2 (RTKN2) (NM_145307) Human Untagged Clone
Tag:	Tag Free
Symbol:	Rhotekin 2
Synonyms:	bA531F24.1; PLEKHK1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_145307, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGGGCGAGCCTGAGGGGTCTGCGCTCCGCTGGCGGGGCTTCCACCCAGCAGGACTGCAACA
TTCAAGAAAAATAGACTTAGAAATTCGAATGCGAGAAGGAATATGGAACCTCTTTCTCTGAGCACTCA
GAAAGATCAAGTTTTACATGCAGTTAAGAATCTCATGGTGTGCAATGCTCGACTAATGGCCTATACATCG
GAGCTACAGAAATTAGAAGAACGATTGCAAAATCAGACTGGAAGATGTGATGTGAAATTTGAAAGTAAAG
AACGAACAGCATGTAAAGGAAAGATTGCCATATCAGATATTGCAATACCACTAATGTGGAAGACTCTGA
TCACCTTCAGCAATAAAGAACGATCACGACGCTATGCCATTTTTGTTTATTCAAATGGGAGCTAATGTG
TTTGATACTGATGTGGTGAATGTGGATAAAACAATCACAGATATATGTTTTGAAATGTAACCATATTTA
ATGAAGCAGGGCCAGACTTTCAGATAAAGGTGGAAGTGTATAGTTGCTGTACAGAAGAATCTTCTATAAC
CAACACACCAAAAAAGCTAGCTAAGAACTCAAGACATCTATAAGTAAAGCTACAGGAAAGAAAATAAGT
TCAGTGCTTCAAGAAGAGGATGATGAAATGTGCTTCTCCTCAGCTCTGCTGTTTTTGGTGTAAAGTATA
ATTTGCTAGCTCACACTACCCTAACCTTGAAAGTGTGAGGATAGTTTCAAGACCCATAATCTGTCTAT
TAATGGAATGAGGAGTCTTCATTTTGGCTTCCCTGTATGGCAACATGTGCTGCCGACTAGTTGCCCGAG
CCAGCTTGATGGCTGAGGATGCATTTGCAGGATTTCTTAATCAGCAGCAAAATGGTAGAAGGTCTGATTA
GTTGGAGAAGGTTGATTTGTGTTTTGCGAGGAGGTAACTCTATTGTTTTACAGTCCAGAGGAAATTGA
AGCTAAAGTGAACACAGCTTTGGTAGTACCCATTAACAAGGAAACCAGAAATCCGGCAATGGATAAGGAT
GCCAAGAAAAGAAATCCATAATTTCTCTGTATCAATCCTGTTCTTGACAAGCTATAACTCAGATTTTTG
CAGTTGACAATAGAGAAGATCTTCAGAAGTGGATGGAAGCCTTCTGGCAGCATTTCTTTGATCTTAGCCA
ATGGAAGCACTGTTGTGAAGAACTTATGAAAATTGAGATTATGTACACGGAACCACTTTGTTCTTG
ACAAAAGAGGCAACCTCAGTCTACCATGATATGAGCATTGATTACCTATGAACTTGAAAGTTTAAACGG
ATATAATACAAAAAAATTGAAGAGACAAATGGGCAGTTCTTATTGGTCAGCATGAAGAATCCTTACC
ACCTCCTTGGGCCACACTCTTTGATGGTAACCATCAAATGGTCATCCAGAAAAAGTACTGTATCCTGCA
AGTGAGCCATTACATGATGAAAAAGGAAAAAGAGACAAGCTCCCTTCTCTCTGATAAACTTCCAT
TCAGCTTAAAAACACAGAGTAACACAGATCAATTGGTTAAGGACAACGGGAAAAACAAGTGTATCTCA
GACATCGTCTTTGGATACCAACTATCAACTCTAATGCATCACTTACAGAAACCAATGGCTGCTCCTCGA
AAACTTCTGCCTGCCAGGAGAAATAGATTAAGTGATGGTGAGCACACAGACACTAAACCAATTTTGAAG
CCAAGCCAGTGCCAGCTCCAAGGCAGAAATCCATCAAAGACATTCTGGACCCTAGATCATGGCTGCAGGC
ACAAGTATAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145307 unedited

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NGTTTAGAATTTGTAATACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGATGGA
GGGGCCGAGCCTGAGGGGTCTGCGCTCCGCTGGCGGGGCTTCCACCCAGCAGGACTG
CAACATTCAGAAAAAATAGACTTAGAAATTCGAATGCGAGAAGGAATATGGAACCTCT
TTCTCTGAGCACTCAGAAAGATCAAGTTTTACATGCAGTTAAGAATCTCATGGTGTGCA
TGCTCGACTAATGGCCTATACATCGGAGCTACAGAAATTAGAAGAACAGATTGCAAAATCA
GACTGGAAGATGTGATGTGAAATTTGAAAGTAAAGAACGAACAGCATGTAAAGGAAAGAT
TGCCATATCAGATATTGCAATACCACTAATGTGGAAGACTCTGATCACTTCAGCAATAA
AGAACGATCACGACGCTATGCCATTTTTGTTTATTCAAATGGGAGCTAATGTGTTTGA
TACTGATGTGGTGAATGTGGATAAAACAATCACAGATATATGTTTTGAAATGTAACCAT
ATTGTAAGTATTTTTAATCTTCAGAGAATAAAAAATAATTTAAATTTCTCTTTTTTAA
AGAAAGTTCTTATTATTGGCTCTTTGGATTCATTNTATGTTTAAATGTTTAAAGTATCTT
TAAATGTTAATATGATTTTAAATTTATTTTGTTCAGAAAGATGTCCATTTCTCTATCTG
CAGTTTTCTGATGTGAAATAAAAAATGGAATCTTCGTATTACTATTAGCCAGTAATATCT
GACTTATTAGATATGACCCCATTTTAAATTGTTAATAAATATAGNTCAGTTATTAACAA
GCTATGCCTACAACAGAAATATCCTGGTAATGTTATTTGATATAGAAGAGAANTCTAGCAC
TACACAGGGATTTTTATCTCATGTAGGAATTTTGGTTGCAGAACTACTACAATAGCATAG
CAACCTTTATTACCAGAAGN
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Restriction Sites:	NotI-NotI
ACCN:	NM_145307
Insert Size:	4350 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:	<u>NM_145307.1</u> , <u>NP_660350.1</u>
RefSeq Size:	6915 bp
RefSeq ORF:	6915 bp
Locus ID:	219790
UniProt ID:	<u>Q8IZC4</u>
Cytogenetics:	10q21.2
Domains:	PH
Gene Summary:	May play an important role in lymphopoiesis.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).