

Product datasheet for **SC101658**

Rhophilin 2 (RHPN2) (NM_033103) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhophilin 2 (RHPN2) (NM_033103) Human Untagged Clone
Tag:	Tag Free
Symbol:	Rhophilin 2
Synonyms:	P76RBE; RHOBP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC101658 sequence for NM_033103 edited (data generated by NextGen Sequencing)

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ATGACCGACGCGCTGTTGCCCGCGGCCCCAGCCGCTGGAGAAGGAGAACGACGGCTAC
TTTCGGAAGGGCTGTAATCCCCTTGACAAAACCGCCGGAGTAAATTGCAGAATCAAAGA
GCTGCTTTGAATCAGCAGATCCTGAAAGCCGTGCGGATGAGGACCGGAGCGGAAAACCTT
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AACTCAGACCTGCAGATGCTCAAGGAAGAGCTGGAGGGGCTGAACATCTCGGTGGCGGTC
TATCAGAACACAGAGGAGGCATTTACGATTCCCCTGATTCTTGGCCTGAAGGAAACG
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TTTGGCGAGGACGAGATCGAGATGAAAGTCGTGAGCCTCCTGGACTCCACATCATCCATG
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GCCATTGATGATGACGACAAAATGATAAAACCAAGAAAATCTCCAAGAAGCTTTCCCTTC
CTGAGTTGGGACCAACAAGAACAGACAGAAGTCAGCCAGCACCTTGTGCCTCCCATCG
GTCGGGGCTGCACGGCCTCAGGTCAAGAAGAAGCTGCCCTCCCCTTTTACGCTTCTCAAC
TCAGACAGTTCTTGGTACTAA
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Clone variation with respect to NM_033103.4
1281 c=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033103 unedited
 GGATTTTGTAAACGACTCACTATTAGGGCGGCCGCAATTCGCACGAGGCCGCGCCTCA
 GTCCGCGCTCCGCCCTCCGCGCCCGCGCCGCTAGCATGACCGACGCGCTGTTGCCCGCG
 CCCCCAGCCGCTGGAGAACGAGAACGACGGCTACTTTCGGAAGGGCTGTAATCCCCTTG
 CACAAACCGGCCGAGTAAATTGCAGAAATCAAAGAGCTGCTTTGAATCAGCAGATCCTGA
 AAGCCGTGCGGATGAGGACCGGAGCGGAAAACCTTCTGAAAGTGGCCACAAACTCAAAGG
 TGCGGGAGCAAGTGC GGCTGGAGCTGAGCTTCGTCAACTCAGACCTGCAGATGCTCAAGG
 AAGAGCTGGAGGGGCTGAACATCTCGGTGGGCGTCTATCAGAACACAGAGGAGGCATTTA
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 TCAAGGATTTTATCCTGGAACTTACAGTGAAGATGGCTATTTATATGAAGATGAAATTG
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 TTGGGACCCTGTGTGATCGGCAGACGCATGCTGGGCTGGAGAGTGCCATANATGCCTTTC
 AGAGAGCCGCATGGGGTTTAAATTACCTGAAAGACACATTTACCCATACTNCAAGTTAC
 GACATGAGGCCTGCCATGCTCAGCGTGCTCGTCAAATGATGCTTGCCCCAGCCCAGNAAA
 CGTGTGTTGAGAAATCAGCCTCCTGGNATCCGNNATGATCTTCTGTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033103 unedited
 TTTTTTTTTTTTTTTTCGGTAAATGAATATGCTATTTAAATATGAATACCTGCATGGCC
 CTAGGTACAGCAGAAACTTTCTCAAAGTGGCTGCTTTCTTTAAGATTTGCAAAATAG
 AAAATAAATTTTTGGTAAATCTTAATATTAACCTTAATGCTATGTATTCTAGTTATGCAT
 TTTGCACTGCGAACACAGAAAACCTACTACATCCACGGTGTGCCCTCTCACCATTCCCA
 CCACCTCCTCCCTCACCTTGACTGTCAATCCCTATAACTTCCCCCCCAGCAACGCCTAAA
 GTAGGTCCATGGCCTAAATTCAGCTATCTAGCCGAGTCCGATCCGCTCATTCTTTTATAG
 TTATGATCCTGATCCCATTAGTTGCCCGACCTCCCCCCCCCAACTCCCCCTCCATCCCC
 CCTCCCCCTCCCCCTCCCCCCCCAGTCCCCCTTCCCTAACTTACCCCTTTCTCTCTCT
 TCTACCTCTCACGTCACCAACAACCCCCCTCCCCCTTCTCACTTCTCCCCCTCCTTTT
 ACCCTTTCATTTCTCCATTTTTCTTTTCTTCCCTCATTATTCCTTTTCCCTCCTTTCCC
 CCCCCCTCCCCCCCCCCCCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_033103

Insert Size:

3460 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:	<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_033103.3 , NP_149094.2
RefSeq Size:	3516 bp
RefSeq ORF:	2061 bp
Locus ID:	85415
UniProt ID:	Q8IUC4
Cytogenetics:	19q13.11
Domains:	HR1, BRO1
Gene Summary:	This gene encodes a member of the rhophilin family of Ras-homologous (Rho)-GTPase binding proteins. The encoded protein binds both GTP- and GDP-bound RhoA and GTP-bound RhoB and may be involved in the organization of the actin cytoskeleton. [provided by RefSeq, Apr 2009]