

Product datasheet for **SC115848**

RALBP1 (NM_006788) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RALBP1 (NM_006788) Human Untagged Clone
Tag:	Tag Free
Symbol:	RALBP1
Synonyms:	RIP1; RLIP1; RLIP76
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 SC115848 sequence for NM_006788 edited (data generated by NextGen Sequencing)

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ATGACTGAGTGCTTCCTGCCCCACCAGCAGCCCCAGTGAACACCGCAGGGTGGAGCAT
GGCAGCGGGCTTACCCGGACCCCACTCTGAAGAGATCAGCCCTACTAAGTTTCCTGGA
TTGTACCCGACTGGCGAGCCCTCACCTCCCATGACATCCTCCATGAGCCTCCTGATGTA
GTGCTGTGATGATGAGAAAGATCATGGGAAGAAAAAGGAAATTTAAGAAAAAGAAAAAG
AGGACTGAAGGCTATGCAGCCTTTCAGGAAGATAGCTCTGGAGATGAGGCAGAAAGTCCT
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AAGAAAAAGGATTTTAAAAATAAAAGAGAAACCCAAAGAAGAAAAGCATAAAGAAGAAAAAG
CACAAAGAAGAAAAACATAAAGAGAAGAAGTCAAAGACTTGACAGCAGCTGATGTTGTT
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GAGAAGTATGGCATGAAGTGTGAAGGCATCTACAGAGTATCAGGAATTAATCAAAGGTG
GATGAGCTAAAAGCAGCCTATGACCGGGAGGAGTCTACAAACTTGAAGACTATGAGCCT
AACACTGTAGCCAGTTTGTGAAGCAGTATTTGCGAGACCTTCCAGAGAATTTGCTTACC
AAAGAGCTTATGCCAGATTTGAAGAGGCTTGTGGGAGGACCACGGAGACTGAGAAAAGT
CAGGAATTCAGCGTTTACTCAAAGAACTGCCAGAATGTAATATCTTCTGATTTCTTGG
CTCATTGTGCACATGGACCATGTCATTGCAAAGGAACTGGAAACAAAAATGAATATACAG
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CAGTTTCTGCGCCGCGAGATTGCCTCAGAAAAAGAAGAGATTGAACGCCTCAGAGCTGAG
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AGACAGAACGAAGAGCTGAAAATAAAGAACAATCATTTGAATCAAGCAATTCATGAGGAG
CGCGAGGCCATCATCGAGCTGCGCGTGCAGCTGCGGCTGCTCCAGATGCAGCGAGCCAAG
GCCGAGCAGCAGGCGCAGGAGGACGAGGAGCCTGAGTGGCGCGGGGGTCCCGTCCAGCCG
CCCAGAGACGGCGTCTTTGAGCCAAAAGCAGCTAAAGAGCAGCCAAAGGCAGGCAAGGAG
CCGGCAAAGCCATCGCCAGCAGGGATAGGAAGGAGACGTCCATCTGA
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Clone variation with respect to NM_006788.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006788 unedited
 ACTATAGGCGGCCGGAATTCGGCACGAGGGGAATGGGGCGCCGAGGCCGGCCTGGGG
 CGCAGCGCAAGAGGGCGCTCCGGTGGCTGCGGGCGCAGCGTGAGCGGAGGAGCGGAGG
 CTGCGCGGGGCGGACGGTCCGCGGGCGGACAGGTGTAATGGATAGGTAACAGAG
 AAGACCTCGTCCCTTCTAGTCAGGGCATCAGCATGACTGAGTGTCTTCTGCCCCCACC
 AGCAGCCCAAGTGAACACCGCAGGGTGGAGCATGGCAGCGGGCTTACCCGGACCCCCAGC
 TCTGAAGAGATCAGCCCTACTAAGTTTCTGGATTGTACCGCACTGGCGAGCCCTCACCT
 CCCCATGACATCCTCCATGAGCCTCCTGATGTAGTGTCTGATGATGAGAAAGATCATGGG
 AAGAAAAAGGGAAATTTAAGAAAAAGGAAAAGAGGACTGAAGGCTATGCAGCCTTTCAG
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 AAACCCAAAGAAGAAAAGCATAAAGAAGAAAAGCATAAAGAAGAAAACATAAAGAGAAG
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 ANAAGCCAATTCAGGAGCCAGAGGTGCCTCAGATTGGATGTCAAATCTCANACCCATTT
 TTGGAATTCCTTTGGCTGATGCAGTANAGAGGACCATGATGTATGATGGCATTTCGCTGC
 CAGCCCGTTTCCCGTGTATAGANACGTAAGAAGTATGCATGAAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006788 unedited
 GCTGTTGATTTTTGCTTGATCAATATGGTCTGGCAAATTAGTTAACCAATGCTGAGA
 CATTTGTAATGAAATACTAATTTTAAAAATCCATGACACCTTGATAGAAATTAGAGTTA
 CACAAACAAAAAGGAACCTTCGATATTGCCAGCAGCTATAAAGTGAACGTACTGAGACC
 GACAGGACAGCAAGAAGGCATTTGCACATTTATCTGACACCCGACCATACTTTTCAGTC
 ACCAGAATATCTTCTCTCCAGATTTAAAAAATAGTATGCTGATTTCTATAACAAAGCTT
 TTTTTCGTACAAAAATCAATAATGGCCAACGAGTCACAACAGTGAATAGGTAGAGGAA
 GAAAACTGCATCAAACAGGTGCTGAAAAATAACTACCTAGGAGAAGGAGGTGAGAGC
 CCTCGTGTGGGGTTTGTTCGACCCCTTGAGTGTGTGTGGGGTTTGTCTTCCGAGCCAC
 GAGCCTGGCCTGTCTCGCGGTGCTGTCACTCTGACAGAGTGGCCTGCAGCAGCTTGCC
 TCCAGGGCCAGCCTCCAGAAGCCTCAGAGCATCAGAGTATCCGCCTCATCGGATGGAC
 CAGAAACAAGAAAATGGGGTGGCGTGAATCACAGCTATCATTACAGGAAAGGAATTTTT
 TTTTATTGCTCAATCTTGTCAATTGGGAGTCCACCAGTAGTTCACTGACACGATATGGA
 TAATCCCCAACTTTTGTCAAGAGCATATATATGTTTTTATTCAAGCAAGGAGACGTGTAC
 CTTCTATCCCAACCAAGCCACTCGAGCCATTCTGTCTTTAGGAAAAGCCACCCCCCAAAA
 ATTTTTTGTGGAACACATCCTTGTGTCAGACACAGGCAAGGTGACACCTTTGCCCCACC
 ATGGAAGGCCTTTGTTGTTCCGCAATGCAGAATGCCACGCCCGGCTATTTTCCCTCTTT
 GTACCGCCCCCGGGCCGGTGGCCCGCTCCACAGAT

Restriction Sites:

NotI-NotI

ACCN:

NM_006788

Insert Size:

3670 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: [NM_006788.3](#), [NP_006779.1](#)

RefSeq Size: 4368 bp

RefSeq ORF: 1968 bp

Locus ID: 10928

UniProt ID: [Q15311](#)

Cytogenetics: 18p11.22

Domains: RhoGAP

Protein Pathways: Pancreatic cancer, Pathways in cancer

Gene Summary: RALBP1 plays a role in receptor-mediated endocytosis and is a downstream effector of the small GTP-binding protein RAL (see RALA; MIM 179550). Small G proteins, such as RAL, have GDP-bound inactive and GTP-bound active forms, which shift from the inactive to the active state through the action of RALGDS (MIM 601619), which in turn is activated by RAS (see HRAS; MIM 190020) (summary by Feig, 2003 [PubMed 12888294]).[supplied by OMIM, Nov 2010]