

Product datasheet for **SC114084**

DIRAS2 (NM_017594) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIRAS2 (NM_017594) Human Untagged Clone
Tag:	Tag Free
Symbol:	DIRAS2
Synonyms:	Di-Ras2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017594, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGAGCAGAGTAACGATTACCGGGTGGCCGTGTTTGGGGCTGGCGGTGTTGGCAAGAGCTCCCTGG
TGTGAGGTTTGTGAAAGGCACATTCGGGAGAGCTACATCCCGACGGTGGAAAGACACCTACCGGCAAGT
GATCAGCTGTGACAAGAGCATATGCACATTGCAGATCACCGACACGACGGGGAGCCACCAGTTCCCGGCC
ATGCAGCGGCTGCCATCTCAAAGGGCAGCCTTCATCCTGGTGTACTCCATTACCAGCCGACAGTCCT
TGGAGGAGCTCAAGCCCATCTACGAACAAATCTGCGAGATCAAAGGGGACGTGGAGAGCATCCCCATCAT
GCTGGTGGGAACAAGTGTGATGAGAGCCCCAGCCGCGAGGTGCAGAGCAGCGAGGCGGAGGCCCTTGCC
CGCACATGGAAGTGTGCCTTCATGGAGACCTCAGCCAAGCTCAACCATAACGTGAAGGAGCTTTCCAGG
AGCTGCTCAACCTGGAGAAGCGCAGGACCGTGAGTCTCCAGATCGACGGGAAAAAGCAAGCAGCAGAA
AAGGAAAAGAGAAGCTCAAAGGCAAGTGCCTGATCATGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_017594 unedited</p> <pre>TACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGCTCACTCCCCAAAATGACAC CCACCGTCGTGAGGGTAGCATGTATAATGCCACGTGTTAAACATTGCATTTAATCGAGA TGCGTCTATTGTCCTTAAGAGGGCGTTTCACACCACCAACAGTAAGCCACCCACTCTGG AGTCACAGAATCTGCCAGGCGTTCAAGTGAACCAACACACTCAGCATCCCTGGGAAC TGAGAGGTGCCAGCAATTGCTGAAGGTGGCGATGAACACCCGAAGTGGGAGGGAGGACT GGTACCCACAAAGCAACATGTACCGAGAGGACTAAATGCATCTACGTGCATGTGAGAGC GTGTTAACCTAGAGTTACCTGCACCAACCCAGACAGAAGCCAATCACATCTTTGGGGGA GGGAGGGGCGAGGAAGAGGTGAGAAGATCAGATGGTCCAAAGTGGACCACACTTGGTCCA TTTTACACTTTTTTAAAGGGGATTAAAAAACACAGCCTCTCCCCAAAGGGTGTCCGTTT TTAATTCACCTGGCCTGTTAGGAGCCTTGCTACCCTGAGGGGATGTGTTACCTTACC TAGACCTAGTTAGGAAGTATCATTNTAAGCTATTAGAGTATTTATCTTCATGTGCAGGGA TAAGTGCCTAACAGTGTGCTGCTGTGCGAAAGTCTTCAGTTTTTAAGTGAGGATATC GTGACAGTATTAACATCGCAATAATGGTCTGTGTTATACATCNGAGGTTTTAGAA TGTGATTTTCTTCTTTGACTGTGAGGAGTATAACTTCTTCAGCCTCAGATTTAATACCA GCAATAACTACTATTTTTAGACGTTTTTCTNCAGGTGGTTTTCTCTTAATACTCGAT CTGTACCAGCTGGGTACAGCAGCAAACCATCAAACACCAGACCATCCATTTTGTATGTCC AA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_017594 unedited</p> <pre>AGAGTCGAGGNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCATAACTGGAGCTTTA TTGGAATATCTCCATTATTTCCAGAACATCACTGGCAACTAAAACTTGTATGCAAGGG TGATTTTTATAACCGCAGAGTAAATAAAATAAAATAGAGAATAGACTTGTAAACAATAAT ACACTTTAAATATAAATATACACATTGATATCCACACATATAAAAGTCATGCTCTGCAA ATACTTTGTATACACACTGGCCTTGTGGGGTATGAATCCAGGATGTGTCTTCAAGGATT TACATGTGTCCTATTAGTTGGAGATATTTCCAGAGAACTTATGTAGAAGCAACACATTAC AAATTTTGGGGAAAAAATTAAGTATCACAGAGCAATTTTTAAAAATTTAATACATTTT TGTTCTACAAAGATGAGCATTCTTAAATATTACAAACAGTGAACAAATATACTAGCTT ACAGATATGTACAATTTATGACTTTATACTTCAAAAATGCAGGAAGATAAATATTTATTT TATATACATGTAATTTTAGATAGAATGAACATTCATATTGCTCTTGGGTGGCCTTGTGCA TTGATGCATGCCATGGCTGCTGCTGGATGGAGAAGGGCTTATGGGGATAGACGGAGTCA TGGACCCCATGCTCATGCCAGACGCCTTCTCAAGCAAATTTAATAAAAAATACTTATCTG GCTGGTAAAAACTGTTTGCCTATGCAAGGTAGATGGGTTTAAGAACACAGTTTCATATTT GGGATGGAAACGTCAAATGCCTAAAAAATTAATTTGGGAACTAACTCCCCAACTTGGAC CATGGGGAACCTAAAGAAAATTTGAAACCACTGGTTCCTCAGTAGGTCATGAAAGATT CAATGAGACCCTATGAGGGTCATAGCCTTAGCTTAATCCAGAAAATTGAGGAAAAGGGG CTGATGAATAACTCAGATTCAACTTTAGCGTGAACCTGAA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_017594
Insert Size:	3380 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_017594.1 , NP_060064.1
RefSeq Size:	4107 bp
RefSeq ORF:	4107 bp
Locus ID:	54769
UniProt ID:	Q96HU8
Cytogenetics:	9q22.2
Domains:	ras, RAS, RHO, RAB
Gene Summary:	DIRAS2 belongs to a distinct branch of the functionally diverse Ras (see HRAS; MIM 190020) superfamily of monomeric GTPases.[supplied by OMIM, Apr 2004]