

Product datasheet for **SC100097**

DIRAS1 (NM_145173) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIRAS1 (NM_145173) Human Untagged Clone
Tag:	Tag Free
Symbol:	DIRAS1
Synonyms:	Di-Ras1; GBTS1; RIG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100097 sequence for NM_145173 edited (data generated by NextGen Sequencing)

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ATGCCGGAACAGAGTAACGATTACCGCGTGGTGGTGTTCGGGGCGGGCGGCGTGGGCAAG
AGCTCGCTGGTGCTGCGCTTCGTGAAGGGCACGTTCCGCGACACCTACATCCCCACCATC
GAGGACACCTACCGGCAGGTGATCAGCTGCGACAAGAGCGTGTGCACGCTGCAGATCACA
GACACCACCGGCAGCCACCAGTTCGCGCCATGCAGCGCTGTCCATCTCCAAGGGCCAC
GCCTTCATCCTGGTGTTCCTCGTCACCAGCAAGCAGTCGCTGGAGGAGCTGGGGCCATC
TACAAGCTCATCGTGCAGATCAAGGGCAGCGTGGAGGACATCCCCGTGATGCTCGTGGG
AACAAAGTCCGATGAGACGCAGCGGGAGGTGGACACGCGGAGGCGCAGGCGGTGGCCAG
GAGTGGAAAGTGCCTTTTCATGGAGACCTCGGCCAAGATGAACTACAACGTCAAGGAGCTC
TTCCAGGAGCTGCTGACGCTGGAGACGCGCCGGAACATGAGCCTCAACATCGACGGAAG
CGCTCCGCAAGCAGAAGAGGACAGACCGCGTCAAGGGCAAATGCACCCTCATGTGA
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Clone variation with respect to NM_145173.3
549 g=>c



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145173 unedited CGACTCACTATAGGCGGCCGGAATTCGCACGAGGGGGGACGGCGGGCGCGACTGCGG CGGCTCGGGCGGGCGGGGGCGGGCGGCCAGCGGACACCGGAGCGGGCAGGAGCAGCGG CCGCGGCGCCGACAGGGACCAGCGGGCCAGGCTCGGTCTGGGGTTCTTGCAGCTGGCACC AGCCCTCCCGGCCCGGCCACCCCGCGGGGAAACATGCCGGAACAGAGTAACGA TTACCCGCTGGTGGTGTTCGGGGCGGGCGGCTGGGCAAGAGCTCGTGGTGGTGGCCTT CGTGAAGGGCACGTTCCGCGACACCTACATCCCCACCATCGAGGACACCTACCGGCAGGT GATCAGCTGCGACAAGAGCGTGTGCACGCTGCAGATCACAGACACCACCGGCAGCCACCA GTTCCCGCCATGCAGCGCCTGTCCATCTCCAAGGGCCACGCCTTCATCCTGGTGTCTC CGTCACCAGCAAGCAGTCGCTGGAGGAGCTGGGGCCATCTACAAGCTCATCGTGAGAT CAAGGGCAGCGTGGAGGACATCCCCGTGATGCTCGTGGGCAACAAGTGGCAGGAGCGCA GCGGGAGTGGACACGCGCAGGCGCACGCGTGGCCAGGAGTGGAAAGTGGCTTTTCAT GGAGACCTCGCCAAGATGAACTACAACGTCAAGGAGCTTTCCAGNAGCTGCTGACGCT GGAGACGCGCCGAACATGAGCCTCACATTGACGGCAAGCGCTNCGGCAAGCAGAAGAGA CAGACCCGCTCAGGGCAAATGCACCCTCATGTGAGCCCGGACGCCCGGCTGGGCCGGT GCACACCAACTGACCCCGGTGGTTCGCCGAAACGACACACTTGTGGACCTCTGTTTT TTTATCCCCTGGCCACCTTGGCGGTGAAACCGGGCCACA
Restriction Sites:	NotI-NotI
ACCN:	NM_145173
Insert Size:	3500 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_145173.1 , NP_660156.1
RefSeq Size:	3391 bp
RefSeq ORF:	597 bp
Locus ID:	148252
UniProt ID:	O95057
Cytogenetics:	19p13.3
Domains:	ras, RAS, RHO, RAB

Gene Summary:

DIRAS1 belongs to a distinct branch of the functionally diverse Ras (see HRAS; MIM 190020) superfamily of monomeric GTPases.[supplied by OMIM, Apr 2004]