

Product datasheet for SC317295

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317295 representing NM_017594. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCTGAGCAGAGTAACGATTACCGGGTGGCCGTGTTTGGGGCTGGCGGTGTTGGCAAGAGCTCCCTG
GTGTTGAGGTTTGTAAAGGCACATTCGGGAGAGCTACATCCCGACGGTGAAGACACCTACCGCAA
GTGATCAGCTGTGACAAGAGCATATGCACATTGCAGATCACCGACACGACGGGGAGCCACCAGTTCCCG
GCCATGCAGCGGCTGTCCATCTCCAAGGGCACGCCTTCATCCTGGTGTACTCCATTACCAGCCGACAG
TCCTTGGAGGAGCTCAAGCCCATCTACGAACAAATCTGCGAGATCAAAGGGGACGTGGAGAGCATCCCC
ATCATGCTGGTGGGAACAAGTGTGATGAGAGCCCCAGCCGCGAGGTGCAGAGCAGCGAGGCGGAGGCC
TTGGCCCGCACATGGAAGTGTGCCTTCATGGAGACCTCAGCCAAGCTCAACCATAACGTGAAGGAGCTT
TTCCAGGAGCTGCTCAACCTGGAGAAGCGCAGGACCGTGAGTCTCCAGATCGACGGAAAAAGAGCAAG
CAGCAGAAAAGGAAAGAGAAGCTCAAAGGCAAGTGCCTGATCATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_017594
Insert Size:	600 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_017594.4</u>
RefSeq Size:	4386 bp
RefSeq ORF:	600 bp
Locus ID:	54769
UniProt ID:	<u>Q96HU8</u>
Cytogenetics:	9q22.2
Domains:	ras, RAS, RHO, RAB
MW:	22.5 kDa
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]