

Product datasheet for **SC206824**

D4 (ARHGDIB) (NM_001175) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	D4 (ARHGDIB) (NM_001175) Human 3' UTR Clone
Symbol:	D4
Synonyms:	D4; GDIA2; GDID4; Ly-GDI; LYGDI; RAP1GN1; RhoGDI2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001175
Insert Size:	521 bp
Insert Sequence:	<p>>SC206824 3'UTR clone of NM_001175</p> <p>The sequence shown below is from the reference sequence of NM_001175. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
CTGTGCGATTAAGAAGGAGTGACAGAAATGATGCATCCACCCCTTTCCCAACCTTGCCACCTGGAAGA
ATTCTCTCAGGCGTGTTCAGCACCCCTGTCCTCCTCCCTGTCCACAGCTGGTCCCTCTTCAACACTGC
CACATTTCTTATTGATGCATCTTTTCCACCCCTGTCACTCAACGTGGTCCCTAGAACAAAGAGGCTTAA
AACCGGGCTTTACCCAACTGTCCTCTGATCCTCCATCAGGGCCAGATCTTCCACGTCTCCATCTC
AGTACACAATCATTTAATATTTCCCTGTCTTACCCTATTCAAGCAACTAGAGGCCAGAAAATGGGCAA
ATTATCACTAACAGGTCTTTGACTCAGGTTCCAGTAGTTCATTCTAATGCCTAGATTCTTTTGTGGTTG
TTGCTGGCCCAATGAGTCCCTAGTCACATCCCCTGCCAGAGGGAGTTCTTCTTTTGTGAGAGACTGT
AAACGACACAAGAGAACAAGAATAAAACAATAACTGTG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).


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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001175.7</u>
Summary:	Members of the Rho (or ARH) protein family (see MIM 165390) and other Ras-related small GTP-binding proteins (see MIM 179520) are involved in diverse cellular events, including cell signaling, proliferation, cytoskeletal organization, and secretion. The GTP-binding proteins are active only in the GTP-bound state. At least 3 classes of proteins tightly regulate cycling between the GTP-bound and GDP-bound states: GTPase-activating proteins (GAPs), guanine nucleotide-releasing factors (GRFs), and GDP-dissociation inhibitors (GDIs). The GDIs, including ARHGDIB, decrease the rate of GDP dissociation from Ras-like GTPases (summary by Scherle et al., 1993 [PubMed 8356058]).[supplied by OMIM, Dec 2010]
Locus ID:	397
MW:	19.8