

Product datasheet for **SC320665**

GDI2 (NM_001494) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GDI2 (NM_001494) Human Untagged Clone
Tag:	Tag Free
Symbol:	GDI2
Synonyms:	HEL-S-46e; RABGDIB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001494.2
 AGAGCGCCTCCCAGCCTCGTAGGGTGGTACGGAGCCCCTGCGCCTTTTCCTTGCTCGGG
 TCCTGCGTCCGCGCCTGCCCCGCATGAATGAGGAGTACGACGTGATCGTGCTGGGCACC
 GGCCTGACGGAATGTATCCTGTCAGGTATAATGTCAGTGAATGGCAAGAAAGTTCTTCAT
 ATGGATCGAAACCTTACTACGGAGGAGAGAGTGCATCTATAACACCATTGGAAGATTTA
 TACAAAAGATTTAAAATACCAGGATCACACCCGAGTCAATGGGGAGAGGAAGAGACTGG
 AATGTTGACTTGATTCCCAAGTTCCTTATGGCTAATGGTCAGCTGGTTAAGATGCTGCT
 TATACAGAGGTAACCTCGCTATCTGGATTTTAAAGTGACTGAAGGGAGCTTTGTCTATAAG
 GGTGGA AAAATCTACAAGTTTCCTTCCACTGAAGCAGAAGCCCTGGCATCTAGCCTAATG
 GGATTGTTGAAAAACGTCGCTCAGGAAATTCCTAGTGTATGTTGCCAACTTCGATGAA
 AAAGATCCAAGA ACTTTTGAAGGCATTGATCCTAAGAAGACCACAATGCGAGATGTGTAT
 AAGAAATTTGATTTGGGTCAAGACGTTATAGATTTTACTGGTCATGCTCTGCACCTTAC
 AGAACTGATGATTACTTAGTCAACCGTGTATGAAACCATTAATAGAATTAACTTTAC
 AGTGAATCTTTGGCAAGATATGGCAAAAAGCCCATACCTTTATCCACTCTATGGCCTTGA
 GAACTGCCCAAGGATTTGCAAGGCTAAGTGTATTTATGGAGGTACCTATATGTGAAT
 AAACCCATTGAAGAAATCATTGTACAGAATGGA AAAAGTAATTGGTGTAAAATCTGAAGGA
 GAAATTGCTCGCTGTAAGCAGCTCATCTGTGACCCAGCTACGTAAAAGATCGGGTAGAA
 AAAGTGGGCCAGGTGATCAGAGTTATTTGCATCCTCAGCCACCCCATCAAGAACCCAAT
 GATGCCAACTCCTGCCAGATCATTATTTCCACAGAACCAAGTCAATCGAAAGTCAGATATC
 TACGTCTGCATGATCTCCTTTGCGCACAATGTAGCAGCACAAGGGAAAGTACATTGCTATA
 GTTAGTACAACGTGGA AACCAAGGAGCCTGAGAAGGAAATCAGACCAGCTTTGGAGCTC
 TTGGAACCAATTGAACAGAAATTTGTTAGCATCAGTGACCTCCTGGTACCAAAAAGACTTG
 GGAACAGAAAGCCAGATCTTTATTTCCCGCACATATGATGCCACCACTCATTTTGAGACA
 ACGTGTGATGACATTA AAAACATCTATAAGAGGATGACAGGATCAGAGTTTGACTTTGAG
 GAAATGAAGCGCAAGAAGATGACATCTATGGGGAAGACTAACAGCAGTACATGTTATTA
 TGTAATTAGGACACATTTAAAATTTGGCAAATAATGCATATAATGAAATCAATATTGTAA
 GGCCTGCTTTTGTAAATGAAAATGGAGAGAATGAAGAGCGCTGTGCCAGTAAATACTCCCC
 TTCACCTTTCTAATTATTAACCTGTTTTTTCATGGAGTGGCTATTCCAGCATTGGCAGTTACC
 ACATTCTGTTCAATTTAACCAACTGGCTTTTTTTTTTTTCTAGTGAAGTTAAACAAACA
 TTGGGATACCGACACAGACA ACTTGAGACAGTTTTTTTAACTTTTAAATCAGTGTAGCTA
 TGTGCTGCTGCTCAAGAGCTGGATCCATACAGTTGTGTGCATCTGTCCTCTTGAG
 GTTCAGGAGATTCTAAATTTGAATATTCCACGGTTTGGGACAGCATCCGGAAGTTTTCCCT
 ATGACTTTATATTTGTATTATGTCAAATGTTATGGCAGGGCCCAATAGCATAGCCACA
 AGTTTGGTTTATGTGGGCATAAAATTTCTAACCAACCCAGACATAGGGAGTCATTTGGA
 GAAAGCCTGTATGTTGTTTAACTAATAAAGTTGATGAGAGAGAAGGGGAGAGGAAG
 CGAACATAAAGCGGGTCAAGTGTAGTGCATCTTTTGTATCTCAGGCGTGGCTTCTTCAGT
 GGACCAAGCTGCAATGCAGTATTGACTTGACAGAGCCTCTACTTCTGTCTCAAAATGGCT
 CCAATGATTTCTGTACTGCAAAAATAAAGCCAAATCTGGAAACTAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001494
- 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:	NM_001494.2 , NP_001485.2
RefSeq Size:	2274 bp
RefSeq ORF:	1338 bp
Locus ID:	2665
UniProt ID:	P50395
Cytogenetics:	10p15.1
Domains:	GDI
Gene Summary:	<p>GDP dissociation inhibitors are proteins that regulate the GDP-GTP exchange reaction of members of the rab family, small GTP-binding proteins of the ras superfamily, that are involved in vesicular trafficking of molecules between cellular organelles. GDIs slow the rate of dissociation of GDP from rab proteins and release GDP from membrane-bound rabs. GDI2 is ubiquitously expressed. The GDI2 gene contains many repetitive elements indicating that it may be prone to inversion/deletion rearrangements. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>