

Product datasheet for **SC331395**

Dexas1 (RASD1) (NM_001199989) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dexas1 (RASD1) (NM_001199989) Human Untagged Clone
Tag: Tag Free
Symbol: Dexas1
Synonyms: AGS1; DEXRAS1; MGC:26290
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331395 representing NM_001199989.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAAACTGGCCGCGATGATCAAGAAGATGTGCCCGAGCGACTCGGAGCTGAGTATCCCGGCAAGAAC
TGCTATCGCATGGTCATCCTCGGCTCGTCCAAGGTGGCAAGACGGCCATCGTGTGCGGCTTCTCACC
GGCCGCTTCGAGGACGCCTACACGCCTACCATCGAGGACTTCCACCGCAAGTTCTACTCCATCCGCGGC
GAGGTCTACCAGCTCGACATCCTCGACACGTCCGGCAACCACCCGTTCCCGCCATGCGGCGCCTCTCC
ATCCTCACAGATCCTCGACACCAAGTCTTGCCCTCAAGAACAAAACCAAGGAGAACGTGGACGTGCCCT
GGTCATCTGCGCAACAAGGGTGA
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001199989

Insert Size: 369 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:

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.



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RefSeq:	NM_001199989.1
RefSeq Size:	1740 bp
RefSeq ORF:	369 bp
Locus ID:	51655
UniProt ID:	Q9Y272
Cytogenetics:	17p11.2
Protein Families:	Druggable Genome
MW:	13.8 kDa
Gene Summary:	<p>This gene encodes a member of the Ras superfamily of small GTPases and is induced by dexamethasone. The encoded protein is an activator of G-protein signaling and acts as a direct nucleotide exchange factor for Gi-Go proteins. This protein interacts with the neuronal nitric oxide adaptor protein CAPON, and a nuclear adaptor protein FE65, which interacts with the Alzheimer's disease amyloid precursor protein. This gene may play a role in dexamethasone-induced alterations in cell morphology, growth and cell-extracellular matrix interactions. Epigenetic inactivation of this gene is closely correlated with resistance to dexamethasone in multiple myeloma cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (2) has an alternate splice site in the CDS that results in a frame-shift compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>