

Product datasheet for **SC114441**

Dexas1 (RASD1) (NM_016084) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dexas1 (RASD1) (NM_016084) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dexas1
Synonyms:	AGS1; DEXRAS1; MGC:26290
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114441 sequence for NM_016084 edited (data generated by NextGen Sequencing)

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ATGAAACTGGCCGCGATGATCAAGAAGATGTGCCCGAGCGACTCGGAGCTGAGTATCCCG  
GCCAAGAAGTGCATCGCATGGTCATCCTCGGCTCGTCCAAGGTGGGCAAGACGGCCATC  
GTGTCGCGCTTCCCTACCGGCCGCTTCGAGGACGCCTACACGCCTACCATCGAGGACTTC  
CACCGCAAGTTCTACTCCATCCGCGGCGAGGTCTACCAGCTCGACATCCTCGACACGTCC  
GGCAACCACCCGTTCCCCGCCATGCGGCGCCTCTCCATCCTCACAGGAGACGTTTTTCATC  
CTGGTGTTCAGTCTGGACAACCGCGACTCCTTCGAGGAGGTGCAGCGGCTCAGGCAGCAG  
ATCCTCGACACCAAGTCTTGCTCAAGAACAAAACCAAGGAGAACGTGGACGTGCCCTG  
GTCATCTGCGGCAACAAGGTGACCGGACTTCTACCGGAGGTGGACCAGCGCGAGATC  
GAGCAGCTGGTGGGCGACGACCCCGAGCGCTGCGCCTACTTCGAGATCTCGGCCAAGAAG  
AACAGCAGCCTGGACCAGATGTTCCGCGCGCTTTCGCCATGGCCAAGCTGCCAGCGAG  
ATGAGCCCAGACCTGCACCGCAAGGTCTCGGTGCAGTACTGCGACGTGCTGCACAAGAAG  
GCGCTGCGGAACAAGAAGCTGCTGCGGGCCGGCAGCGGCGGCGGCGGCGGCGACCCGGGC  
GACGCCTTTGGCATCGTGGCACCCCTTCGCGCGCCGCGCCAGCGTACACAGCGACCTCATG  
TACATCCGCGAGAAGGCCAGCGCCGGCAGCCAGGCCAAGGACAAGGAGCGCTGCGTCATC  
AGCTAG
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Clone variation with respect to NM_016084.4



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5' Read Nucleotide Sequence:	<pre>>OriGene 5' read for NM_016084 unedited TGT CAGC ATTTGT ATACGACTACT ATAGGCGGCCGGAATCGGCACGAGGCCAGATCC TGGGAGAACCCAGCCGAGCCAGCCAGCTAGCCGAGCCAGCCGAGCGGAGCCGAGCC CAAGCCGAGCCGCGCCAGCCGAGCAGAGCCCTCCAGCCGCTACCCCGCGTGCCACC CCAGCGACCCTCAGCCGCTCTCTGCCCTTCTCTCGGCCCGCGCCCGCCCTCGCGCCCC TCTGCCAATGAAACTGGCCGCGATGATCAAGAAGATGTGCCCCGAGCGACTCGGAGCTGA GTATCCCGGCCAAGAAGCTGCTATCGCATGGTCATCCTCGGCTCGTCCAAGGTGGCAAGA CGGCCATCGTGTGCGCTTCTCACCCGCGCTTCGAGGACGCCTACACGCCTACCATCG AGGACTTCCACCGCAAGTTCTACTCCATCCGCGCGGAGGTCTACCAGCTCGACATCCTCG ACACGTCCGGCAACCACCGTTCCCGCCATGCGGCGCCTCTCCATCCTCACAGGAGACG TTTTATCCTGGTGTTCAGTCTGGACAACCGGACTCCTTCGAGGAGGTGCAGCGGCTCA GGCAGCAGATCCTCGACACCAAGTCTTGCCTCAAGAACAAAACCAAGGAGAACGTGGGAC GTGCCCTGGTCACTGCGGCAACAAGGGTGACCCGACTTCTACCGGAGGTGGACCAG CGCGAGATCGAGCAGCTGTTGGGCGACGACCCCGAGCGTGCCTACTTCGAGATCTCG GCCAAGAAGAACAGCAGCCTGGACCAGATGTTCCGCGCGCTCTNCGCCATGGNCAAGCTG CCCAGCGAGATGAGCCAGACCTGCACCGCAAGGTCTCCGGGCAGTACTGCCGACGTGCT GCACAAGAAGGCGCTGCGGTACC</pre>
3' Read Nucleotide Sequence:	<pre>>OriGene 3' read for NM_016084 unedited NNNCCTACTCTGNNACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTCAT TTTAAATTATTTTATTGTATATTAATAAAACCAAATAAAGCAATAACTTTAAAGACCTCAG ACACACACAGTATAAACACCTGGGTAAGGTTTTGTTCGTGTCCATGTTGACACCGGAAGT ACCGTTAAAGTGAAGTTTTGTTTTGTGTTCCCTTTGTGCAAGTTTCACTCATGTAACA AGTCACCTGGCTATGATTTGACCCACGCCCCCGCTTAGTTTCGGGAGGGCAGAGGCTC TACCGGCTGTACAGCAACCCGGAATCACAGACAAGATAATGCCCGTGGGTCTGACCC TCAAGCGGGCATGACGGTTTCTTGAAGCCTAGCAGAGGCTGGATAACTTCACATCCCTCC CCCACCCCGCGCTCACTCTTAGGTCTTTGAGAAGATAAATCCACCTCGGCTGGGCCCTC GCTCCCAAAGTTATGGGGGTGGCGGGCCTCAATGGGGGACCGGGGTGGGAATAGTCCC AGTCTTGGCCCGTCTCTTTCTTCCGGAGCAGATGACCGTCCCTTCTCGGTTCAAGTGGC GCCTCCCAGTGTGGGGCGGATCGCCGGGAGGGGAGACCCAGTCCGCGCGCGCTCCC CGCTGTGGCGCACCCGGCCCGTGGATTGACTTAACAAAAAGTCTCTTTAGTTGTGT TCCCAGCGCCGCGGGTTCCCTAACTGATGACCCACCGCTTCTTGTCTTGGCCTGGCTGC AGGCGCTTGCTTCTCGGACTGCCCTGAAGCCTTTTGAACCTGGCCCGGTCCGCGAA GGTTGCACAATCCAAGGCGTCCCCGTTTCCCGCCTTCTCTCTTTATGCCCTAAC AACTTTTTGTTCCGACACGCCN</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016084
Insert Size:	4000 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_016084.3 , NP_057168.1
RefSeq Size:	1758 bp
RefSeq ORF:	846 bp
Locus ID:	51655
UniProt ID:	Q9Y272
Cytogenetics:	17p11.2
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
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 (1) is the longer transcript and encodes the longer isoform (1).</p>