

Product datasheet for **RC205285**

Dexas1 (RASD1) (NM_016084) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dexas1 (RASD1) (NM_016084) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dexas1
Synonyms:	AGS1; DEXRAS1; MGC:26290
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205285 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAACTGGCCGCGATGATCAAGAAGATGTGCCCGAGCGACTCGGAGCTGAGTATCCCGCCAAGA
GCTATCGCATGGTCATCCTCGGCTCGTCCAAGGTGGGCAAGACGGCCATCGTGTGCGCTTCTCACCG
CCGTTTCGAGGACGCCTACACGCCTACCATCGAGGACTCCACCGCAAGTTCTACTCCATCCGCGGCGAG
GTCTACCAGCTCGACATCCTCGACACGTCCGGCAACCACCGTTCCCGCCATGCGGCGCCTCTCCATCC
TCACAGGAGACGTTTTTCATCCTGGTGTTCAGTCTGGACAACCGGACTCCTTCGAGGAGGTGCAGCGGCT
CAGGCAGCAGATCCTCGACACCAAGTCTTGCCCTAAGAACAAAACCAAGGAGAAGCTGGAGCTGCCCTG
GTCATCTGCGGCAACAAGGGTGACCGGACTTCTACCGGAGGTGGACCAGCGGAGATCGAGCAGCTGG
TGGGCGACGACCCCGAGCGCTGCGCCTACTTCGAGATCTCGGCCAAGAAGAACAGCAGCCTGGACCAGAT
GTTCCGCGCGCTCTTCGCCATGGCCAAGCTGCCAGCGAGATGAGCCAGACCTGCACCGCAAGGTCTCG
GTGCACTACTGCGACGTGCTGCACAAGAAGGCGCTGCGGAACAAGAAGCTGCTGCGGGCCGCGAGCGGCG
GCGGCGGCGGCGACCCGGGCGACGCTTTGGCATCGTGGCACCCCTTCGCGCGCCGGCCAGCGTACACAG
CGACCTCATGTACATCCGCGAGAAGGCCAGCGCCGGCAGCCAGGCCAAGGACAAGGAGCGCTGCGTCATC
AGC

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_016084.5](#)

RefSeq Size: 1814 bp

RefSeq ORF: 846 bp

Locus ID: 51655

UniProt ID: [Q9Y272](#)

Cytogenetics: 17p11.2

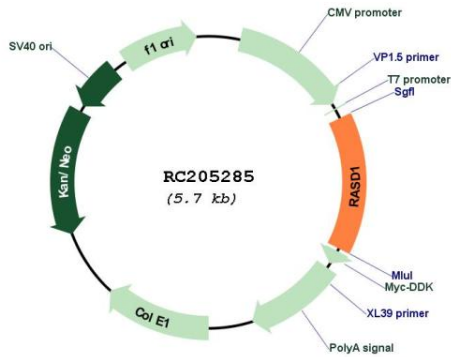
Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

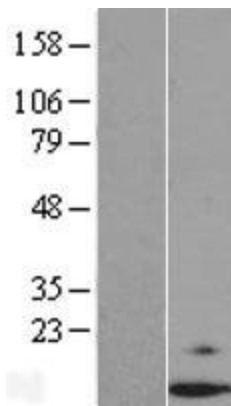
MW: 31.6 kDa

Gene Summary: 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]

Product images:



Circular map for RC205285



Western blot validation of overexpression lysate (Cat# [LY414190]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205285 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).