

Product datasheet for RC205285L4V

OriGene Technologies, Inc.

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Dexras1 (RASD1) (NM_016084) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Dexras1 (RASD1) (NM_016084) Human Tagged ORF Clone Lentiviral Particle

Symbol: Dexras1

Synonyms: AGS1; DEXRAS1; MGC:26290

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_016084

ORF Size: 843 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC205285).

Sequence:

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeg: NM 016084.3

 RefSeq Size:
 1814 bp

 RefSeq ORF:
 846 bp

 Locus ID:
 51655

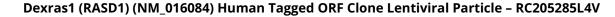
 UniProt ID:
 Q9Y272

 Cytogenetics:
 17p11.2

Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome





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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]