

Product datasheet for RC217744

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OriGene Technologies, Inc.

CARHSP1 (NM_001042476) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CARHSP1 (NM_001042476) Human Tagged ORF Clone

Tag:Myc-DDKSymbol:CARHSP1

Synonyms: CRHSP-24; CRHSP24; CSDC1

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC217744 representing NM_001042476
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

TCTGGACATGTCATCAGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217744 representing NM_001042476

Red=Cloning site Green=Tags(s)

MSSEPPPPPQPPTHQASVGLLDTPRSRERSPSPLRGNVVPSPLPTRRTRTFSATVRASQGPVYKGVCKCFCKSKGHGFITPADGGPDIFLHISDVEGEYVPVEGDEVTYKMCSIPPKNEKLQAVEVVITHLAPGTKHETW

SGHVISS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

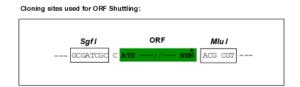
Chromatograms: https://cdn.origene.com/chromatograms/mk6484 a05.zip

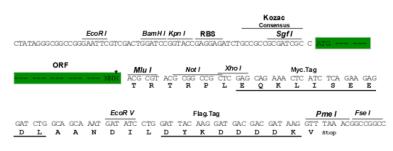




Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001042476

ORF Size: 441 bp

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.

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.

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

0.22um filter is required.

RefSeq: <u>NM 001042476.2</u>, <u>NP 001035941.1</u>

RefSeq Size: 3029 bp RefSeq ORF: 444 bp

CARHSP1 (NM_001042476) Human Tagged ORF Clone - RC217744

Locus ID: 23589
UniProt ID: Q9Y2V2

Cytogenetics: 16p13.2

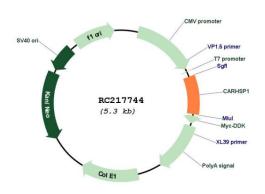
Protein Families: Transcription Factors

MW: 15.7 kDa

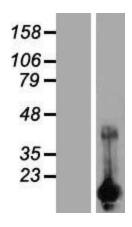
Gene Summary: Binds mRNA and regulates the stability of target mRNA. Binds single-stranded DNA (in vitro).

[UniProtKB/Swiss-Prot Function]

Product images:

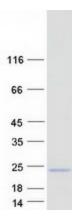


Circular map for RC217744



Western blot validation of overexpression lysate (Cat# [LY415360]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC224443] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).





Coomassie blue staining of purified CARHSP1 protein (Cat# [TP317744]). The protein was produced from HEK293T cells transfected with CARHSP1 cDNA clone (Cat# RC217744) using MegaTran 2.0 (Cat# [TT210002]).