

Product datasheet for RC210755

VPS26C (NM_006052) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS26C (NM_006052) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VPS26C
Synonyms:	DCRA; DSCR3; DSCRA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210755 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACCGCCCTGGACATCAAGATTAAGAGCGAATAAAGTTTATCACGCCGGGAAGTGCTCTCTG
GCGTGGTGGTCATATCGAGTAAGGATTCAGTCCAACACCAGGGAGTGCTTTGACCATGGAAGAACTGT
AAACCTCCAGCTCAGTGCCAAAAGTGTGGGTGTGTTGAAGCTTTTTATAATTCTGTTAAGCCTATCCAG
ATTATCAACAGCACCATAGAAATGGTGAAGCCGGGAAATTTCCAGCGGCAAAACAGAAATCCCTTTTG
AATTTCTCTGCACTTGAAGGTAACAAAGTTCTGTATGAGACGTATCATGGCGTGTGTCAACATTCA
GTATACACTGCGCTGTGACATGAAGCGTCTCTGTTGGCCAAGGACTTGACAAAGACCTGTGAATTTATC
GTTCACTCCGCTCCTCAGAAGGGGAAGTTTACTCCCAGTCCCCTGGACTTACGATTACACCTGAAACCT
TACAGAACGTCAAAGAGAGAGCTTTGCTTCCCAAATTTCTCCTTCGAGGACATCTCAACTCAACAACTG
TGTATCACGCAGCCACTAACGGGAGAGCTGGTGGTGGAGAGCTCGGAAGCCGCCATCAGAAGCGTGGAG
CTGCAGCTGGTGCAGCTGGAGACGTGCGGGTGTGAGAAGGCTATGCCCGCAGCGCCACGGAGATTGAGA
ACATTAGATCGCCGACGGGATGTGTGCAGGGGCTCTGTCCCCATCTACATGGTCTTCCCTAGGCT
GTTACCTGCCCTACTGGAGACCACCAACTTCAAAGTGAATTTGAGGTTAACATCGTGGTGTGCTGCT
CACCTGACCACCTCATCACGGAGAACTTCCCGCTGAAGCTCTGCAGGATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC210755 protein sequence
Red=Cloning site Green=Tags(s)

MGTALDIKIKRANKVYHAGEVLSGVVVISKDSVQHQGVSLTMEGTVNLQLSAKSVGVFVAFYNSVKPIQ
 IINSTIEMVKPGKFPSPGKTEIPFEFPLHLKGNKVLVYETVYHGVFVNIQYTLRCDMKRSLAKDLTKTCEFI
 VHSAPQKGKFTSPVDFITIPETLQNVKERALLPKFLLRGHLNSTNCVITQPLTGELVVESEAAIRSVE
 LQLVRVETCGCAEGYARDATEIQNIQIADGDVCRGLSVPIYMFVPRFLTCTPTLETTNFKVEFEVNIIVLL
 HPDHLITENFPLKLCRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6367_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006052

ORF Size: 891 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: [NM_006052.2](#)

RefSeq Size: 3252 bp

RefSeq ORF: 894 bp

Locus ID: 10311

UniProt ID: [O14972](#)

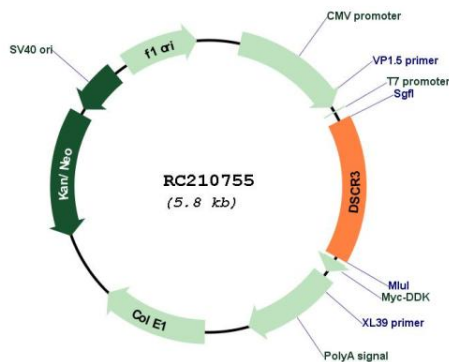
Cytogenetics: 21q22.13

Domains: Vps26

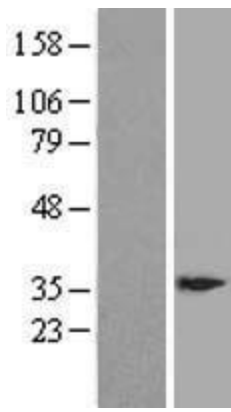
MW: 33 kDa

Gene Summary: The region of chromosome 21 between genes CBR and ERG (CBR-ERG region), which spans 2.5 Mb on 21q22.2, has been defined by analysis of patients with partial trisomy 21. It contributes significantly to the pathogenesis of many characteristics of Down syndrome, including morphological features, hypotonia, and cognitive disability. The DSCR3 (Down syndrome critical region gene 3) gene is found in this region and is predicted to contain eight exons. DSCR3 is expressed in most tissues examined. [provided by RefSeq, Jul 2008]

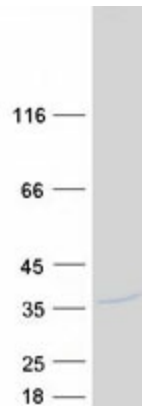
Product images:



Circular map for RC210755



Western blot validation of overexpression lysate (Cat# [LY416904]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210755 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified VPS26C protein (Cat# [TP310755]). The protein was produced from HEK293T cells transfected with VPS26C cDNA clone (Cat# RC210755) using MegaTran 2.0 (Cat# [TT210002]).