

Product datasheet for **RG210755**

VPS26C (NM_006052) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS26C (NM_006052) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VPS26C
Synonyms:	DCRA; DSCR3; DSCRA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210755 representing NM_006052 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACCGCCCTGGACATCAAGATTAAGAGCGAATAAAGTTTATCACGCCGGGAAGTGCTCTCTG
GCGTGGTGGTCATATCGAGTAAGGATTCAGTCCAACACCAGGGAGTGCTTTGACCATGGAAGGAACTGT
AAACCTCCAGCTCAGTGCCAAAAGTGTGGGTGTGTTGAAGCTTTTTATAATTCTGTTAAGCCTATCCAG
ATTATCAACAGCACCATAGAAATGGTGAAGCCGGGAAATTTCCAGCGGCAAAACAGAAATCCCTTTTG
AATTTCTCTGCACTTGAAGGTAACAAAGTTCTGTATGAGACGTATCATGGCGTGTGTTCAACATTCA
GTATACACTGCGCTGTGACATGAAGCGTCTCTGTTGGCCAAGGACTTGACAAAGACCTGTGAATTTATC
GTTCACTCCGCTCCTCAGAAGGGGAAGTTTACTCCCAGTCCCCTGGACTTACGATTACACCTGAAACCT
TACAGAACGTCAAAGAGAGAGCTTTGCTTCCCAAATTTCTCCTTCGAGGACATCTCAACTCAACAACTG
TGTATCACGCAGCCACTAACGGGAGAGCTGGTGGTGGAGAGCTCGGAAGCCGCCATCAGAAGCGTGGAG
CTGCAGCTGGTGCAGTGGAGACGTGCGGGTGTGAGAAGGCTATGCCCGCAGCCACGGAGATTACAGA
ACATTAGATCGCCGACGGGATGTGTGCAGGGGCTCTGTCCCCATCTACATGGTCTTCCCTAGGCT
GTTACCTGCCCTACACTGGAGACCACCAACTTCAAAGTGAATTTGAGGTTAACATCGTGGTGTGCTGCT
CACCTGACCACCTCATCACGGAGAACTTCCCGCTGAAGCTCTGCAGGATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210755 representing NM_006052
 Red=Cloning site Green=Tags(s)

MGTALDIKIKRANKVYHAGEVLSGVVVVSISSKDSVQHQGVSLTMEGTVNLQLSAKSVGVFEAFYNSVKPIQ
 IINSTIEMVKPGKFPSPGKTEIPFEFPLHLKGNKVL YETYHGVFVNIQYTLRCDMKRSL LAKDLTKTCEFI
 VHSAPQKGKFTSPVDFITIPETLQNVKERALLPKFLLRGHLNSTNCVITQPLTGELVVESEAAIRSVE
 LQLVVRVETCGCAEGYARDATEIQNIQIADGDVCRGLSVPIYMFVPRFLTPTLETTFNKVEFEVNI VLL
 HPDHLITENFPLKLCRI

TRTRPLE - GFP Tag - V

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.

RefSeq: [NM_006052.2](#)

RefSeq Size: 3252 bp

RefSeq ORF: 894 bp

Locus ID: 10311

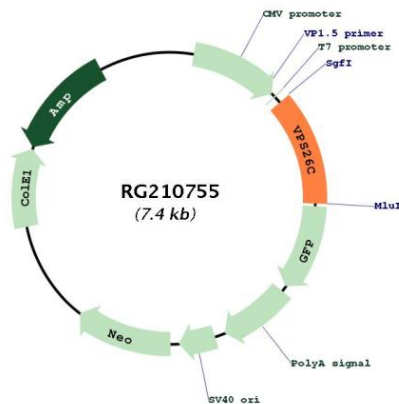
UniProt ID: [O14972](#)

Cytogenetics: 21q22.13

Domains: Vps26

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 RG210755