

Product datasheet for **RC207341**

C17ORF39 (GID4) (NM_024052) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	C17ORF39
Synonyms:	C17orf39; VID2; VID24
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC207341 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTGTGCGCGAGGGCAAGTCGGGAGGGGGACCCAGCTCAGGACTGGGAGGCCCTGCTCGCAGGTCCTG
GGTCCCGGTGGCGGCCGAGCGCTTGCTCCGCAGGCAGCGGGCGGGTGGTCGCCCTCCCGCCCCACCC
CGCGCGTGCAGCCCGGCCCTCTCCCTCCCGCCACCCTCTCGGCTCCCGCGCGCGGGCGGGTTCCT
CTCCCACTCCCCCAGCCCTGGCTCCGGGGACCCCGCATGCCGTCCGCACCGAGTGTCCCCCGCCGG
CCGGTGCCTCCGCTGCCTCCCGGCCCTCACTCATCCCGCCCGCCCATCAACACCCAGCAGCCCGGCGT
GGCCACCAGCCTGCTCTACAGCGGCTCCAAGTTCCGCGGCCACCAGAAGAGCAAGGGGAACCTGTACGAC
GTAGAGGTGGTGTGCAGCACGTGGACACGGGAACTCTTACCTTTGTGGGTACTTGAAGATTAAGGCC
TTACTGAGGAGTATCAACCTTACAACCTTCTTGAAGGAGAAATATCAGCAAAAAACACCTTTCTT
AACTCGCAAGTGGGATGCAGATGAAGATGTTGATCGGAAACACTGGGGCAAGTTTCTGGCTTTTATCAG
TATGCAAAATCATTTAACTCAGATGACTTTGATTATGAAGAGCTGAAGAATGGAGACTACGTCTTCATGA
GGTGAAGGAACAGTTTCTGGTCCCAGATCACAGATCAAAGACATCAGTGGTGCTTCTTTTGCCGGGT
CTACTACATCTGCTTTCAGAAGTCAGCAGCCTCCATAGAGGGCTACTACTACCATAGGAGTTTCAATGG
TATCAGTCCCTCAATCTAACCATGTTCTGAACACAGTGCACCCATCTATGAATTCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC207341 protein sequence
 Red=Cloning site Green=Tags(s)

MCARGQVGRGTQLRTGRPCSQVPGSRWRPERLLRRQRAGGRPSRPHPARARPGLSLPATLLGSRAAAAVP
 LPLPPALAPGDPAMPVRTECPPPAGASAASAASLIPPPINTQQPGVATSLLYSGSKFRGHQKSKGNSYD
 VEVVLQHVDTGNSYLCGYLKIKGL TEEYPTLTTFEGEIISKHPFLTRKWDADVDVRKHGKFLAFYQ
 YAKSFNSDDFDYEELKNGDYVFMRWKEQLVPDHTIKDISGASGAGFYIYCFQKSAASIEGYYYHRSSEW
 YQSLNLTHVPEHSAPIYEFR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

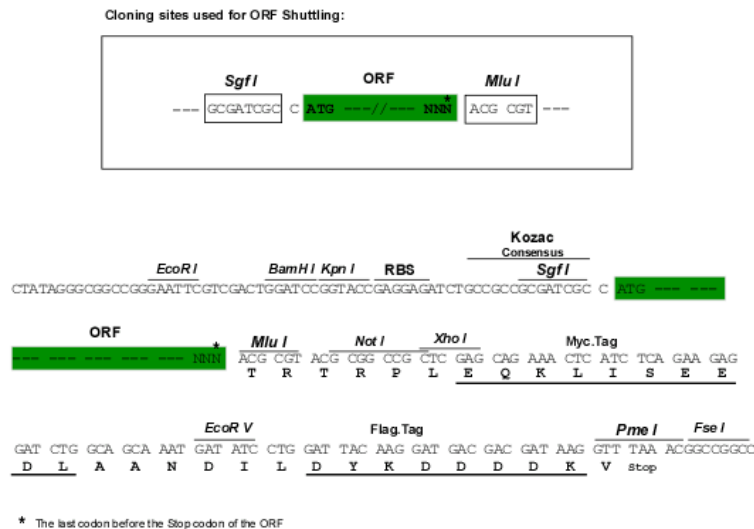
Chromatograms:

https://cdn.origene.com/chromatograms/mk6024_b01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_024052

ORF Size:

900 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_024052.3](#)

RefSeq Size: 4232 bp

RefSeq ORF: 903 bp

Locus ID: 79018

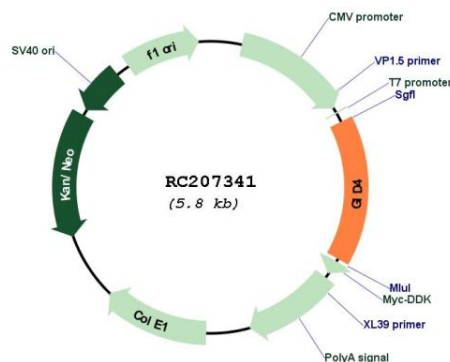
UniProt ID: [Q8IVV7](#)

Cytogenetics: 17p11.2

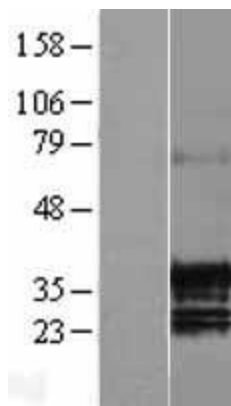
MW: 33.5 kDa

Gene Summary: The multiprotein Mediator complex is a coactivator required for activation of RNA polymerase II transcription by DNA bound transcription factors. The protein encoded by this gene is thought to be a subunit of the Mediator complex. This gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

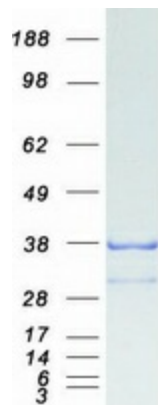
Product images:



Circular map for RC207341



Western blot validation of overexpression lysate (Cat# [LY402976]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207341 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GID4 protein (Cat# [TP307341]). The protein was produced from HEK293T cells transfected with GID4 cDNA clone (Cat# RC207341) using MegaTran 2.0 (Cat# [TT210002]).