

Product datasheet for RC208117

RASL12 (NM_016563) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RASL12 (NM_016563) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RASL12
Synonyms:	RIS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208117 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCTCGGTGTTTGGAAAACCCCGCGGGCAGCGGGCCTCAGAGCGGCCCTCGAGGTCAACCTGG
CCATCCTGGGGCGCCGCGGGCTGGCAAGTCTGCCCTGACCGTGAAGTTTCTGACCAAGAGGTTTATCAG
TGAATATGACCCCACTTGGAGGACACCTACAGCTCCGAGGAGACTGTGGACCACCAGCCTGTCCACCTG
AGGGTCATGGACTGCAGACCTGGACACCCCAAGGAAGTGCAGCGCTACCTGAACTGGGCCCATGCCT
TCCTGGTGGTGTACAGCGTCGACAGCCGCGAGCTTTGATAGCAGCAGCAGCTACCTGGAGCTGCTTGC
CTTGACGCGAAGGAGACACAGCGCAGCATCCCTGCCCTGCTGCTGGCAACAAGCTGGACATGGCTCAG
TACAGGCAAGTCACCAAGGCAGAGGGTGTGGCTTTGGCAGGCAGGTTTGGTGCCTGTTTTTCGAGGTCT
CTGCCTGTCTGGACTTTGAGCAGTGCAGCATGTCTTCCAGAGGCAGTGCAGAGGCACGGCGGGAGCT
GGAGAAGAGCCCCCTGACCCGGCCCCCTTTCATCTCCGAGGAGAGGGCCCTGCCACCAGGCCCGCTC
ACTGCGCGCATGGGCTGGCCAGCTGCACCTTCAACAGCTCTCCACCATCAACCTGAAGGAGATGCCCA
CTGTGGCCAGGCCAAGCTGGTCAACGTGAAGTCAATCCCGGGCCAGAGCAAGCGCAAGGCGCCTACCT
GACTCTCTGAAGGGCTTCAAGATCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208117 protein sequence
Red=Cloning site Green=Tags(s)

MSSVFGKPRAGSGPQSAPLEVNLAILGRRGAGKSALTVKFLTKRFISEYDPNLEDTYSSEETVDHQPVHL
 RVMDTADLDTPRNCERYLNWAHAFLLVVYSVDSRQSFSSSSYLELLALHAKETQRSIPALLLGNKLDMAQ
 YRQYTKAEGVALAGRFGLFFEVSACLDFEHVQHVFEAVREARRELEKSPLTRPLFISEERALPHQAPL
 TARHGLASCTFNTLSTINLKEMPTVAQAKLVTVKSSRAQSKRKAPTLTLKGFIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6348_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016563

ORF Size: 798 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_016563.4](#)

RefSeq Size: 2603 bp

RefSeq ORF: 801 bp

Locus ID: 51285

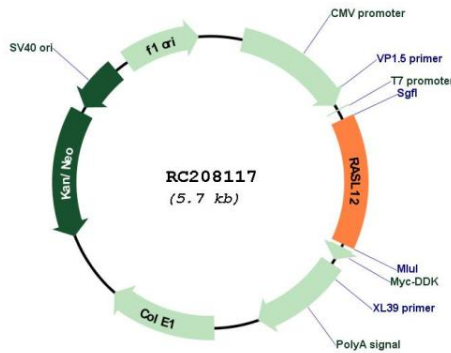
UniProt ID: [Q9NYN1](#)

Cytogenetics: 15q22.31

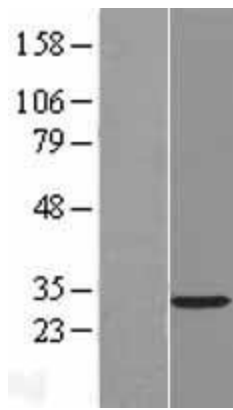
Domains: ras, RAS, RHO, RAB

MW: 29.7 kDa

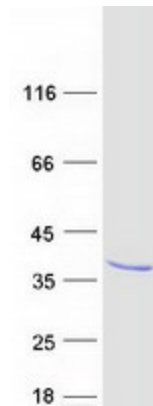
Product images:



Circular map for RC208117



Western blot validation of overexpression lysate (Cat# [LY413889]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208117 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RASL12 protein (Cat# [TP308117]). The protein was produced from HEK293T cells transfected with RASL12 cDNA clone (Cat# RC208117) using MegaTran 2.0 (Cat# [TT210002]).