

## Product datasheet for **RR200901**

### Adsl (NM\_001130503) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adsl (NM_001130503) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adsl
Synonyms:	null
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR200901 representing NM\_001130503  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGCATCCGGGGACCTGCCTGTGCTGAAAGCTACCGTTCTCCGCTGGCGGCTCGCTACGCCAGCC  
 ATGAAATGTGCTTCTTGTTCAGCGACAGGTACAAGTTCAGACGTGGCGGCAGCTGTGGCTGTGGCTGGC  
 GGAGGCCGAACAGACACTGGGTTTGCTATCACGGATGAACAGATCCAGGAGATGAGGTCGAACCTGAGC  
 AACATTGACTTCCAGATGGCAGCTGAGGAAGAGAAGCGCCTCGCGCACGACGTGATGGCTCATGTGCACA  
 CGTTTGGCCACTGCTGTCCGAAAGCTGTGGCATCATCCATCTTGAGGCCACCTCCTGCTATGTTGGAGA  
 CAATACGGACTTGATTATTCTGAGAAATGCATTTGACCTGCTTTTACCAAAGCTTGCTAGAGTGATCTCG  
 AGGCTTGGCGACTTTGCTAAGGAACGTGCTGATCTGCCACATTAGGTTTACACACTTTCAGCCTGCTC  
 AGCTGACCACGGTTGGGAAACGCTGCTGCCTTTGGATTCAAGATCTCTGCATGGATCTTCAGAACTTGAA  
 GCGTGTCCGAGATGAGCTGCGCTCCGAGGAGTGAAGGGCACCCTGGCACGCAGGCCAGCTTCTTGCA  
 CTCTTCGAGGGGGATCACCAAGGTGGAGCAGCTGGACAAGATGGTGACAGAAAAGGCAGGGTTTTAAAA  
 GAGCTTACATCATCACAGGACAGACCTACACACGGAAAGTGGACATCGAAGTGTGTCTGTGCTGGCCAG  
 CCTAGGGGCGTCAGTGCACAAGATTTGCACTGACATTCGCCTACTGGCGAACCTGAAGGAGATGGAGGAA  
 CCCTTTGAGAAGCAGCAGATTGGTTCCAGTGCATGCCGTACAAGCGGAACCCCATGCGCTCCGAACGTT  
 GCTGCAGCTTGGCTCGTACCTGATGTCCCTTACCATGGACCCACTACAGACAGCTTCTGTGCAGTGGTT  
 TGAACGTACCTGGATGATAGTGCCAACCGACGGATCTGTTTGGTGAAGCATTCTCACTGCAGACACT  
 ATATTAECTACTCTACAGAACGTCTCTGAAGATTGGTGTGTACCCCAAGTAATTGAACGGCGCATT  
 GGCAAGAGCTTCTTTTCATGGCCACAGAGAATTATCATGGCAATGGTCAAAGCCGGGGCAGCCGACA  
 GGACTGTGATGAGAAAATTAGAGTGCTTTCCAGCAGGCAGCTGCTGTGGTTAAGCAGGAAGGGGGTGAC  
 AATGACCTTATAGAGCGATTCCGGCAGATGCCTACTTACGCCCCATTCACTCACAGTTGGAACAATTGT  
 TGGACCCCTCTTCTTCACTGGCCGAGCTCCCCAGCAGGTCCACAGATTCCTAGAAGAGGAGGTGTACCC  
 CCTGCTGAAGCCCTACGGAAGTGTGATGGCAGTGAAGGCGGAGCTGTGTCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200901 representing NM\_001130503  
 Red=Cloning site Green=Tags(s)

MAASGDPACAESYRSPLAARYASHMCFLLFSDRYKFQTRQLWLWLAEEQTLGLPITDEIQEMRNSLS  
 NIDFQMAAEEKRLRHDVMAHVHTFGHCCPKAAGIIHLGATSCYVGDNTDLIILRNAFDLLLPLKARVIS  
 RLADFAKERADLPTLGFTHFQPAQLTTVGKRCLLWIQDLCMDLQNLKRVDELRFGRVKGTTGTQASFLQ  
 LFEGDHQKVEQLDKMVTEKAGFKRAYIITGQTYTRKVDIEVLSVLASLGASVHKICTDIRLLANLKEMEE  
 PFEKQQIGSSAMPYKRNPMRSERCCSLARHMSLTMDPLQTASVQWFERTLDDSANRRICLAEFLTADT  
 ILTTLQNVSEGLVLYPKVIERRIRQELPFMATENIIMAMVKAGGSRQDCHEKIRVLSQQAADVVKQEGGD  
 NDLIERIRADAYFSPHISQLEQLLDPSSFTRAPQQVHRFLEEEVYPLLKPYGSVMAVKAELCL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

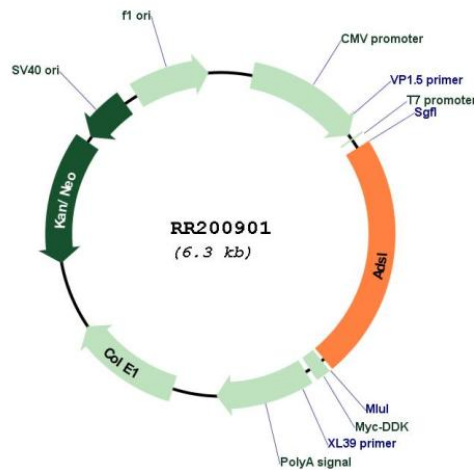
**Restriction Sites:**

SgfI-MluI

## Cloning Scheme:



## Plasmid Map:



ACCN:

NM\_001130503

ORF Size:

1452 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\\_001130503.1](#), [NP\\_001123975.1](#)

**RefSeq Size:** 1952 bp

**RefSeq ORF:** 1455 bp

**Locus ID:** 315150

**Cytogenetics:** 7q34

**MW:** 54.9 kDa