

Product datasheet for RR214321

Asmtl (NM_001105915) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Asmtl (NM_001105915) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Asmtl
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR214321 representing NM_001105915
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACTGAAGCCGCTCGCCCCGCTCCTGCGCGGTTACCACGTGGTCTGGCGAGCGCTTCGCCAAGGC
GGAGGGAGATCCTCGACCTGGCGGGCGTGGTTTTGACGTCATCCCCTCGCACTTCTCGGAGGTCCCAGC
CCCGGAGCACCTGCTCCGCCCTCAGGACTTGGTATTGCAATGCCAAAGGAAAGCCTTGGACGTCCGA
ATGCGCCTAAGCCAGGCTGACCCGGAGACCCAGCACCTCATATTGGAGCGGACACCATTTGGCCATGG
AGGGCCAGATCATGGGGAAGCCCTGCGACCGTGAAGATGCATCCGGATGTTAACCAGGCTGAACCGGTCCG
TGAGCACAGTGTATCACCGGTGTGCCATCATCCTTACGGGTGGAGCAGGCACCCGTGACGCAGAGGTG
GTGGTGGTCTTCCACGAGGAGACGCTGGTACATTCTCGAAGCTGTGAGATGAGCTTGTGCAGGAGCATG
TGGAGGGCGGGGAGCCCTGGGACAAGGCGGGGGCTACGGGCTGCAGGCGGGGCGGAGCGATAATGGC
AGAGGCCGTGCGGGGTGACCCCCCAATGCAGCGGGGCTCCCTCTCAACCGGCTCTGCCGCGAGCTGGG
CGCCGGCTGCTGCCTTCGGGACCAGGACAGGAAGTGGAGTCGCAGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214321 representing NM_001105915
Red=Cloning site Green=Tags(s)

MALKPLAPLLRGYHVVLASAPRRREILDLAGVVDVIPSHFSEVPPPEHLLRPQDLVIANAKGKALDVG
MRLSQADPETQHLIIGADTIVAMEGQIMGKPCDREDALRMLTRLNGREHSVITGVAILITGGAGTRDAEV
VVVFHEETLVTFSKLDELVQEHVEGGEPPWDKAGGYGLQARGGAIMAEAVRGDPLNAAGLPLNRLCRELG
RRLPSGPGQEVESQT

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001105915

ORF Size: 678 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_001105915.2](#), [NP_001099385.2](#)

RefSeq Size: 894 bp

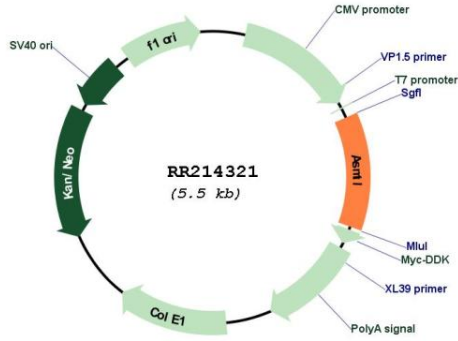
RefSeq ORF: 681 bp

Locus ID: 288527

Cytogenetics: 12q11

MW: 24.2 kDa

Product images:



Circular map for RR214321