

## Product datasheet for **RN214954**

### Ass1 (NM\_013157) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ass1 (NM\_013157) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ass1  
**Synonyms:** Ass; ASSA  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN214954 representing NM\_013157  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCCAGCAAGGGCTCTGTGGTTCTGGCCTACAGTGGTGGTCTGGACACCTCCTGCATCCTCGTGTGGC  
TGAAGGAACAAGGCTATGATGTCATCGCCTACCTGGCCAAATTGGCCAGAAGGAAGACTTTGAGGAAGC  
CAGGAAGAAGGCACTGAAGCTTGGGGCCAAAAAGGTGTTCAATTGAGGATGTAAGCAAGGAGTTTGTGGAA  
GAGTTCATCTGGCCTGCTGTCCAGTCCAGTGCACCTCTATGAGGACCGCTATCTCCTAGGCACCTCTCTCG  
CCAGGCCTTGCATAGCTCGCAAACAAGTGGAAATTGCCAGCGCGAAGGGGCCAAGTATGTGTCTCACGG  
CGCCACGGGGAAGGGCAATGACCAGGTCGCTTTGAGCTCACCTGCTACTCGTTAGCACCCAGATTAAG  
GTCATCGCCCCCTGGAGGATGCCCGAGTTTTACAACCGGTTCAAGGGCCGAAATGATTTGATGGAATACG  
CAAAGCAACATGGAATCCCCATCCCTGTCACCCCAAGAGCCCTGGAGCATGGATGAGAACCTTATGCA  
CATCAGCTACGAGGCTGGAATCCTGGAAAACCCCAAGAACCAAGCACCTCCAGGTCTCTACAAAAA  
CAGGACCCTGCCAAAGCACCCAACCCAGATGTCCTTGAGATAGAATCAAAAAAGGGTCCCTGTGA  
AGGTGACCAACGTCAAAGATGGCACTACCCACAGCACATCCTTGGACCTTTCATGTACCTGAATGAAGT  
TGCGGGCAAGCATGGAGTAGGGCGATTGACATCGTGGAGAACCGCTTCATTGGAATGAAGTCCCGGGT  
ATCTACGAGACCCAGCAGGGACCATCCTTTACCACGCTCATTTAGACATAGAGGCTTCCACATGGATC  
GGGAAGTACGAAAAAACAAGCAGGGCCTGGGCCTCAAATTCGAGAGCTCGTATACACCGGTTTCTGGCA  
CAGCCCTGAATGTGAATTTGTTCCGCACTGCATCGACAAGTCCCAGGAACGGGTGGAAGGAAAGGTGCAG  
GTATCTGTCTTCAAGGGCCAGGTGTACATCCTTGGCCGGGAGTCTCCACTTTCACATACAATGAAGAGC  
TGGTGAGCATGAACGTACAGGTGACTATGAACCCATTGATGCCACCGGTTTCATCAATATCAACTCGCT  
CAGGCTGAAGGAGTACCATCGCTTCAGAGCAAGGTCACCGCCAAATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_013157
<b>Insert Size:</b>	1239 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_013157.3</a></u> , <u><a href="#">NP_037289.1</a></u>
<b>RefSeq Size:</b>	1495 bp
<b>RefSeq ORF:</b>	1239 bp
<b>Locus ID:</b>	25698
<b>UniProt ID:</b>	<u><a href="#">P09034</a></u>
<b>Cytogenetics:</b>	3p12
<b>Gene Summary:</b>	catalyzes the conversion of ATP, L-citrulline, and L-aspartate to AMP, diphosphate, and L-argininosuccinate in arginine biosynthesis; may regulate nitric oxide production [RGD, Feb 2006]