

Product datasheet for **MR209395**

Aste1 (NM_001164828) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aste1 (NM_001164828) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aste1
Synonyms:	1100001A21Rik; AV006403
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209395 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTATTCTCTCTCCACCGACTTTGCTTCAATTCTGACTTGGAGCTCAGATGGAGGATGTGACATTT
 CAGATAAAAAGCTGGCAACTTTGAAGGATCGAGCAAAAGAGAAGATCCAAGCAGCCCGTTCCCTTTCTCT
 TGGTGGGGGTGGGAATGTGTGCCCTTACTCATCCGAGAAGTGTTACATACAGTTTTGATCAGGCTTGAG
 GTATGTTTCGTACAGAGCTTTTCAGAAGCAGATCGGGACATTATGACACTTGCCAATCACTGGAATTGTC
 CTGTGCTATCATCGGATAGTGACTTTTGCATTTTTGACTTGAGAAGTGGGTTTTGCTCACTGAATAGCTA
 CCAGTGGAGAAATCTGAACACTATTAAGATACACAAGATTACTACATCCCGCCAGAAGCTTTCCCTC
 AATGCATTCTGCCATTACTTCAACAACATGAACAAAGCTCTACTACCTCTCTTTCGGGTGCTGTGTGGAA
 ATGACCATGTTAACCTGCCCATCATGGACACATTCATAAGTAAAGTACGTCTACCCCTTAGTTCTAAGGG
 GAGGAGATATCACCGAGTCTGGGACTTCTGAACTGGTTGTCTCATTTTCGATGACCCCACTGAAGCACTA
 GATAACGTTCTGAAGTCTCTCCCAAGAAGAGTCGAGAAAATGTTAAGGAACTTCTCTGCTGCTCCATGG
 AGGAGTACCAGCAGTCCCGGTGAAGCTGCAGGACTTCTTCCAGTATGGTAGTTATGTCTGTACGGACGC
 TTCGGATCTGGGTCTACCAGAGTGGGTGCTAGGAGCTCTGGCCAAAGGCCAGCTACCACCTTTCATCAGT
 GATGCTTTGGTGTCCGAAGGACCTTTCTTACACACAGGTAGAAAACATGCAGCGGCCAAATGCTCACA
 GAATATCTCAGCCATCCGCCAAATCATCTATGGACTCCTTTTGAATGGCCATCACACGCAGAAGATAT
 AGCCCAAGATACATTGCCTTCCAGCTTCTGGCTTCAATGAAGTGGAAAGAATTGATACAAATATCAA
 ACATCAACTGTTTATGCAAAGCAACTGCTCAAGGATCAATGTGACTTGAGCAAATTGGCTGAGTCCCTC
 TGGCTAGGCGGCAGATGCTTCTCTTAGAAGCCCTGAAGGTCAAACAGTTGTCTGGAGTCCATCCCTAC
 TTTTCTGAAGTTGCCATTGCTGTGACTTGTACTGGTTGCAGTCCACAGAAGCCAAGGCAAGCTCCAT
 CATCTGCAGGCCCTACTGCTGGGGATGCTGAGGGAACCCTTGCATGCCATCGTCAACAGCCCTGGCACTG
 AAGATCCACAGAGAGGTGGTCCAAGATGTTGTATGAAGAATTATGCCAGGTGAAGGCACCCATGCGGCC
 GGGTCCAAGAGTGGATTTAGACACAGCGCACGTCTTCTGTGAGTGGCAGTCTGTCTCCAGATGGGGTTA
 TATCTCAACCAGCTGCTGTCCACTCCTCTGCCAGAGCCAAACCTAACTTGGTTGTACAACGGAAGCTGG
 TCCACAGACTCTGCCAGCAACTGCCAGCATCTAGTTCTGTAGAAAGCCTCCTGAGTCTATGCTCTGAGGC
 AAAGCAACTTTATGGACATCTGTTCAATGCCACAAAATCATATGCCCCAGCTGAATTGTTCTTACAAAA
 ACTAAATCAAAATCCAAAAAAGAGGCAAGAAAAGTTGCCAGCCTGGGAACCACTGCAGATGCCA
 AACACTGGTATGACAGAAGCAACCGTTTGGACCGTTAATGCCTGAAAGCTTGGAGGAGCATGTAGAGAA
 CTCAGAGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

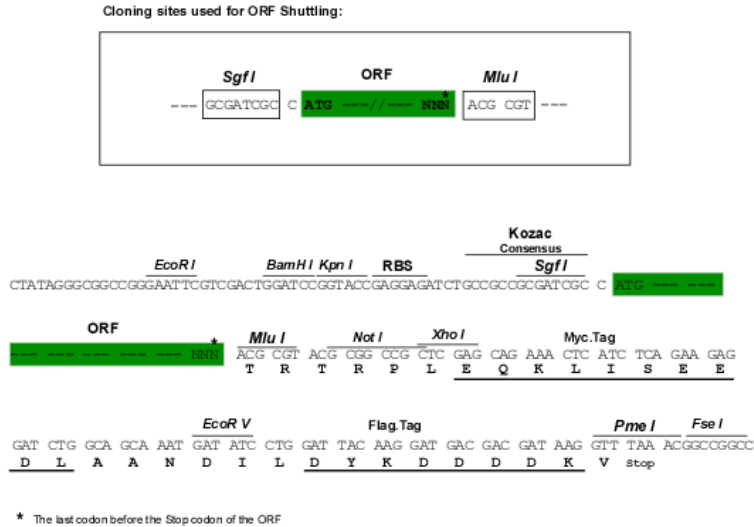
>MR209395 protein sequence
 Red=Cloning site Green=Tags(s)

MAILSSTDFASILTWSSDGGCDISDKKLATLKDRAKEKIQAARSLSLGGGNNVCPILLIREVFIQVLRLE
 VCFVQSFSEADRDIMTLANHWNCVPLSSDSDFCIFDLRSGFCSLNSYQWRNLNTIKDTQDYIIPARFSL
 NAFCHYFNMMNKALLPLFAVLCGNDHVNLPIMDTFISKVRLPLSSKGRRYHRVLLGNLWLSHFDDPTEAL
 DNVLKSLPKKSRENVKELCCSMEEYQQSPVKLQDFQYGSYVCTDASDLGLPEWVLGALAKGQLPPFIS
 DALVLRRTFLHTQVENMQRPNAHRISQIRQIIYGLLLNGPSHAEDIAQNTLPSQLLAFNEVERIDTNIK
 TSTVYAKQLLKDQCDLSKLAELPLARRQMLLLEALKVKQVLESIPTFLKLPPIAVTCYWLQSTEAKAKLH
 HLQALLLGMREPLHAIVNSPGTEDPQRGGAKMLYEELCQVKAPMRPGRVLDLTAHVFCQWQSQCLQMGL
 YLNQLLSTPLPEPNLTWLYNGSLVHRLCQQLPASSSVESLLSLCPEAKQLYGHLFNATKSYAPAELFLPK
 TKSKSKKKRQKKKVASLGTADAKHWDYDRNRFGLMPESLEEHVENSELE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001164828

ORF Size: 1836 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 Size: 1238 bp

RefSeq ORF: 480 bp

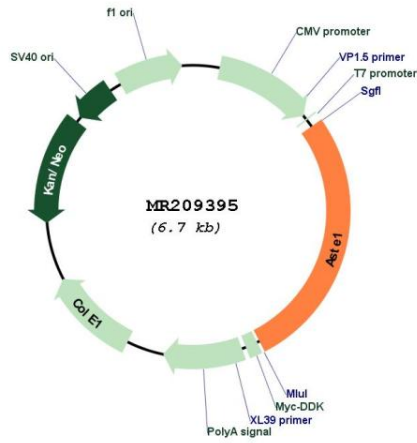
Locus ID: 66595

Cytogenetics: 9 F1

MW: 68.9 kDa

Gene Summary: Possible role in EGF receptor signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209395