

Product datasheet for **SC115202**

ASTE1 (NM_014065) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ASTE1
Synonyms:	HT001
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF: >NCBI ORF sequence for NM_014065, the custom clone sequence may differ by one or more nucleotides

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ATGGGTATCCGAGGACTAATGAGTTTTGTGGAAGATCATAGTAATGAATCTTCACTGATTGAAGTTGC
GGGACACAAAAATTGTCATTGATGGTTATGCTCTTTCCACCGTCTTGCTTCAGTTCAAACCTGGATCT
CCGGTATGGAGGGGACTATGATTCTTTGCAGATGTTGTACAAAAATCTTTGAATCACTGTTGCTTGT
AATATATGCCCATATGTTGTATTAGATGGAGGATGTGACATTTAGATAAAAAAGCTTACAACCTTTAAAGG
ATAGAGCTAGAGAGAAGATCCAGATGGCCCATTCCTTTCTGTTGGTGGGAGTGGGTACGTATGCCCTT
ACTCATCCGGGAAGTATTCATACAGGTTTTGATCAAGCTGCGGGTGTGTTTTGTCCAGTGCTTTTCAGAA
GCAGATCGGGACATTATGACACTTGCTAACCATTGGAATTGCCCTGTGTTATCATCAGATAGTGACTTTT
GCATTTTTTGACCTGAAAACTGGGTTTTGCCCATTTGAATAGCTTTCAAGTGGAGAAATATGAACACTATTAA
GGGCACACAAAACTATATCCCTGCCAAATGCTTTTCCCTTGATGCATTCTGCCATCACTTCAGCAATATG
AATAAAGCTCTACTACCTCTCTTTGCGGTGCTATGTGGAAATGACCATGTTAATCTACCCATCATGGAGA
CATTCTTAAGTAAAGCGCGTCTTCTCTTGAGCTACCAAGTTCTAAAGGGAGGAGACACCACCGAATCCT
GGGACTTCTGAATTGGTTGTCTCATTGTGCCAACCTACCGAAGCACTAGATAATGTTCTGAAATACCTC
CCAAAAAAGGATCGAGAAAAATGTTAAGGAACCTTCTCTGCTGTTCCATGGAAGAATACCAACAGTCCCAGG
TGAAGCTACAGGACTTCTTCCAGTGTGGTACTTATGTCTGTCCAGATGCCTTGAATCTTGGTTTACCAGA
ATGGGTATTAGTGGCTTTAGCTAAAGGCCAGCTATCTCTTTCATCAGTGATGCTTTGGTCTTAAGACGG
ACCATTTCTTCCACACAGGTGGAAAAACATGCAGCAACCAATGCCACAGAAATCTCAGCCCATCAGGC
AAATCATCTATGGGCTTCTTTTAAATGCCTCACCACATCTGGACAAGACATCCTGGAATGCATTGCCTCC
TCAGCCTCTAGCTTTCACTGAAGTGGAAAGGATTAATAAAAAATACAGAACCTCAATCATTGATGCAGTA
GAACTGGCCAAGGATCATTCTGACTTAAGCAGATTGACTGAGCTCTCTTGAGGAGGCGGCAGATGCTTC
TGTTAGAAACCTGAAGGTGAAACAGACCATCTGGAGCCAATCCCTACTTCACTGAAGTTGCCCATTCG
TGTCAGTTGCTACTGGTTGCAGCACACCGAGACCAAGCAAGCTACATCATCTACAATCCTTACTGCTC
ACAATGCTAGTGGGGCCCTTGATTGCCATAATCAACAGCCCTGGTAAGGAAGAGCTGCAGGAAGATGGTG
CTAAGATGTTGTATGCAGAGTTCCAAGAGTGAAGGCGCAGACACGGCTGGGCACAAGACTGGACTTAGA
CACAGCTCACATCTTCTGTGAGTGGCAGTCTGTCTCCAGATGGGGATGTATCTCAACCAGCTGCTGTCTC
ACTCTCTCCAGAGCCAGACCTAAGTCACTGTACAGTGAAGCCTGGTGCACGGACTATGCCAGCAAC
TGCTAGCATCGACCTCTGTAGAAAGTCTCCTGAGCATATGCTCTGAGGCTAAGCAACTTTATGAATATCT
ATTCAATGCCACAAGGTATATGCCCCGCTGAAATATTCTACCAAAAGGTAGATCAAATTCAAAAAA
AAAAGGCAGAGAAACAGAAATACCAGCTGTTCTAAGAACAGAGGGAGAACCACTGCACACACCAAGTGT
GGTATGAGGAAACAACCGGTTTGGGTTGTTAATGGTTGAAAACTTAGAGGAACATAGTGAGGCCTCAA
CATTGAATAA
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**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_014065 unedited

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CGTAATTGCGACGAGGGTTAATCTACCCATCATGGAGACATTCTTAAGTAAAGCGCGTCT
TCCTCTTGGAGCTACCAAGTTCTAAAGGGAGGAGACACCACCGAATCCTGGGACTTCTGAA
TTGGTTGTCTCATTGTTGCCAACCTACCGAAGCACTAGATAATGTTCTGAAATACCTCCC
AAAAAAGATCGAGAAAAATGTTAAGGAACCTCTCTGCTGTTCCATGGAAGAATACCAACAG
TCCCAGGTGAAGCTACAGGACTTCTTCCAGTGTGGTACTTATGTCTGTCCAGATGCCTTG
AATCTTGGTTTACCAGAATGGGTATTAGTGGCTTTAGCTAAAGGCCAGCTATCTCCTTTC
ATCAGTGATGCTTTGGTCTAAGACGGACCATTTCTCCACACAGGTGGAACATGCAG
CAACCAATGCCACAGAAATCTCAGCCCATCAGGCAATCATCTATGGGCTTCTTTTA
AATGCCTCACCACATCTGGACAAGACATCCTGGAATGCATTGCCTCCTCAGCCTCTAGCT
TTCAGTGAAGTGGAAAGGATTAATAAAAAATACAGAACCTCAATCATTGATGCAGTAGAA
CTGGCCAAGGATCATTCTGACTTAAGCAGATTGACTGAGCTCTCTTGAGGAGGCGGCAG
ATGCTTCTGTTAGAAACCTGAAGGTGAAACAGACCATTTCTGGAGCCAATCCCTACTTCA
CTGAAGTTGCCATTGCTGTGCTGCTACTGGGTGCAGCACACCGAGACCAAGCANAG
CTACATCATCTACAATCCTTACTGCTCAGATGCTAGTGGGGCCTTGATGCCATATCAAC
AGCCCTGTAAGGAAGCTGCAGAAGATGGTGCTAAATNTGTATGCANAGT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014065 unedited <pre> TTATGGACCGGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAATCAGGTT GTATTTATTAACAAAATACTTGAATTCAGATTATTGTGATGTTTATCC CGTAACAGGTCAGTCCTAAAGAAAAAGCTAATTGTTTCAAGGGTGGTAACGGAAGAATTT TAAGTAAGGATTATATTAATACATCTAGTTTGATGCAAACTGAGTTTTATTCAATGTTG GAGGCCTCACTATGTTCTCTAAGTTTTCAACCATTAAACAACCAACCGGTTGTTTCCC TCATACCAACACTTGGTGTGTGCACTGGTCTCCCTCTGTTCTTAGAACAGCTGGTATTC TGTTTCTTCTGCCTTTTTTTTTTGAATCTGATCTACCTTTTGGTAGGAATATTCAGCG GGGGCATATGACCTTGTGGCATTGAATAGATATTCATAAAGTTGCTTAGCCTCAGGACAT ATGCTCAGGAGACTTTCTACAGAGGTCGATGCTAGCAGTTGCTGGCATAGTCCGTGCACC AGGCTTCCACTGTACAGTCGAGCTAGGTCTGCCTCTGGGAGAGGAGTGGACAGCAGCTGG TTGACACACATCCCCATCTGGAGACAGCACTGCCACTCACAGAAATGTGAGCTGTGTCTA AGTCCAGTCTTGCGCCCGCCGCTGCGCCTCACTCTTGGACTCTGTCTAAACATC TTACCCCCATTTCTGCGCTCTTCTACCAGCGCTTTGATTATGGCAATAAGGCCCCAAC TACCATGTGAGCATAAGGAATTGACCTACCCATCTCCGCTTTGCCCGCGCGTGCTGAAC CCGCAATACTTGACCCATGCCCCACTCATTGAATTAGGGCTTGGCTCTCCACGGCCCTG TCCCCTCCAGCTTCTTACACATCTCCCCCTCCTAACGAACCTACCCCTGTTTATCC GATCATCTGCCCTTCTCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014065
Insert Size:	1560 bp
OTI Disclaimer:	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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_014065.1 , NP_054784.1
RefSeq Size:	2736 bp
RefSeq ORF:	2736 bp
Locus ID:	28990

UniProt ID: [Q2TB18](#)

Cytogenetics: 3q22.1

Gene Summary: Possible role in EGF receptor signaling.[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (2) differs in the 5' UTR and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.