

Product datasheet for **SC216994**

ARTS1 (ERAP1) (NM_001040458) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ARTS1 (ERAP1) (NM_001040458) Human 3' UTR Clone
Symbol:	ARTS1
Synonyms:	A-LAP; ALAP; APPILS; ARTS-1; ARTS1; ERAAP; ERAAP1; PILS-AP; PILSAP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001040458
Insert Size:	1942 bp



[View online »](#)

Insert Sequence: >SC216994 3'UTR clone of NM_001040458
 The sequence shown below is from the reference sequence of NM_001040458. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGCAAAGTGAAAAGCTTGAACGTATGTAAAAATCCTCCCTGCCAGGTTCTGTATCTCTAATCAC
CAACATTTTGTGAGTGTATTTTCAAAGTAGAGATGGCTGTTTTGGCTCCAAGTGGAGATACTTTTTTC
CCTTCAACTCATTTTTGACTATCCCTGTGAAAAGAATAGCTGTTAGTTTTTTCATGAATGGGCTATCGC
TACCATGTGTTTTGTTTCATCACAGGTGTTGCCCTGCAACGTAACCCAAGTGTGGGTTCCCTGCCACA
GAAGAATAAAGTACCTTATTCTTCTCATTTTATAGTTTATGCTTAAAGCACCCGTGCCAAAACCTGTA
CCCCATGTTTATCATTATAAAGTGTTCATCAGTCTCCTCGAAAGACTCTGAATAGTCGACTACTGAA
CAATGAACACCTGGATCTGAGACTAAGCCGGACGATGACTGGGTTAAAGCTCTCCCGGCTCACCCCTCC
AGACCCGCTGCCATCCCTCTTCTTCCATGCCAGGGGCTGACTTGTAAAGCCAAGTCATCAAG
CTTTCTTGGCCTTTGGATGTTGGTCAGTGGGGAGCCGGAGAGCTGGAGCTGGGGTTCGGAGGAGGTAGTA
GGTGGAGGTGTTCTTCCCTGATTCCCTTGCGGGATGCCTCGGGCTGGCCTCCCCTGAGGGTCTTAGCTC
CGAGAGGGGACCCTCTTTCCACACAGCCTTCTCCACCTCTGGATTTTGGTAACTGCTCCCTCCTCATC
CCTTCAGGATTAGTGGCCTCAGTGGGAGTCTGGCTTTTACTAGTCTGGCGGACTTGTGGTTTCTACAT
AATGTGCTCGCACTTTTGCAAAAAATCTTTTTATAGAACCCTCCTCAGATAAATCTGAGTGAAGTGCAT
CTATTTCCCTGACTGGTACAGTATCTTCTGAAAAAGCAGAGTGCATTAAGTCTGTAGGAAAACCT
TTTCTTAGGGAGGTGATTTTTTTCTCTCTCTGCTTCTTATTTGGCCTACTTTACAATTTCTAACTAAC
TAGTATTGGCATTACTGACAGTAAATATTGCAGTACCAATAAATGATAGTACATTGTGAAACAAA
ATATTTGCTCATATTAGCAAATAGGACATTCTTTGGCTTTGAAGTCTTTCTTTCTTTTGTGAAGACTTC
ACACACGGTTGCTTACGACACAGTTGCTGCTCAGGTTTTATGTATAGATGATAAATAGAAAAGCACA
GTTTACTAACATGGTAAACCAACGGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
TCTTATTCTGAAAACCTTGTACACAGGGACTTATCTAACCATAGTGTGCTCTGTTGCTGACTTGATTC
AAGTTGCAGCGTGTTTTGCCTGACTCTAAGGTGCGGAAATCCTCACACCTGGCAAAGGAGAAATCAA
CTGAACTTTTGAATATAAGGCAAAAACCTCAAGATAAGGGAATATGATTGATGATTGGTACGAAAAAT
GTCAAAATGTGTCCCCTAATACACGACAAAATAGAGTGAATTTCTGGACATAAATCTGCCATTTATTAA
ACCATTACTACAACAAATAAATAGGTATAAAGTGAATTTGGAATTTTTATACTTATTTGTTGTAGTG
AATGGTTTAAATAAAAATAGAAATCACTGGTAATTTCCACCCAAACTAACTATTTCCCTCTTTTTAAA
AAAATACACAACCAAGATTTTAAATGTAATAATTTTGGCTTAAATTGATTTTATGCCTTGATTAATGAA
ACATGGAAATATTGATTTTCAAGTTTTGGTCACTGAGGAACCTATCTTTGTTTGGCTTTTGGAAAAGCCC
ATTTTCTAAACAGATACAATATTGCCACAACAATGTGCAGAAACCTTTTTGATAAATAAAAATTTGTTCT
TTGCCTCTAA
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001040458.3](#)

Summary: The protein encoded by this gene is an aminopeptidase involved in trimming HLA class I-binding precursors so that they can be presented on MHC class I molecules. The encoded protein acts as a monomer or as a heterodimer with ERAP2. This protein may also be involved in blood pressure regulation by inactivation of angiotensin II. Three transcript variants encoding two different isoforms have been found for this gene.[provided by RefSeq, Oct 2010]

Locus ID: 51752

MW: 73