

Product datasheet for **SC326299**

ERAP2 (NM_001130140) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERAP2 (NM_001130140) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERAP2
Synonyms:	L-RAP; LRAP
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001130140, the custom clone sequence may differ by one or more nucleotides

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ATGTTCCATTCTTCTGCAATGGTTAATTCACACAGAAAACCAATGTTTAAACATTCACAGA
GGATTTTACTGCTTAACAGCCATCTTGCCCAAATATGCATTTGTTCTCAGTTCTCAGTG
CCATCTAGTTATCACTTCACTGAGGATCCTGGGGCTTTCCAGTAGCCACTAATGGGGAA
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TTTGCCACCCCAATCTCACCTCTGGACTTTGTTGCATCTGAGAAGATCGAAGTCTTG
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ACCCTTCAGTCAGAGGAAGATTCAAGATACATGAAACCAGGAAAAAGAACTGAAAGTTTTG
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GACCAACTCATTACACAGCTGAATCAGAACCACACACTTCTCAGACCTAAGGACAGAGTA
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CTTGACATGACTTACTACCTCAAACATGAAACAAGCAGCCCCGCCTTCTCGAAGGTCTG
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CAAAACAAAATTTCTGTATGCTTTGTCAACGAGCAAGCATCAGGAAAAGTTACTGAAGTTA
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ACAACAGCTCACTTTTCTCAAGGATAAGTTGCAAGAGGTGAAACTATTTTTTGAATCT
CTTGAGGCTCAAGGATCACATCTGGATATTTTTCAAAGTCTTCTGGAAACGATAACCAAA
AATATAAAATGGCTGGAGAAGAATCTTCCGACTCTGAGGACTTGCTAATGGTTAATACT

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Restriction Sites:	Please inquire
ACCN:	NM_001130140
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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:	<u>NM_001130140.1</u> , <u>NP_001123612.1</u>
RefSeq Size:	5254 bp
RefSeq ORF:	2883 bp
Locus ID:	64167
UniProt ID:	<u>Q6P179</u>
Cytogenetics:	5q15
Protein Families:	Druggable Genome, Protease
Gene Summary:	<p>This gene encodes a zinc metalloaminopeptidase of the M1 protease family that resides in the endoplasmic reticulum and functions in N-terminal trimming antigenic epitopes for presentation by major histocompatibility complex (MHC) class I molecules. Certain mutations in this gene are associated with the inflammatory arthritis syndrome ankylosing spondylitis and pre-eclampsia. This gene is located adjacent to a closely related aminopeptidase gene on chromosome 5. [provided by RefSeq, Jul 2016]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>