

Product datasheet for **SC123227**

UCMA (NM_145314) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: UCMA (NM_145314) Human Untagged Clone
Tag: Tag Free
Symbol: UCMA
Synonyms: C10orf49; GRP; GRP/UCMA
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_145314 edited
AGGGGGACCCAAAGGGTGCAGGACGCCTGGTCTGCCTTGTGGGTCTGGACGGAGCCCC
TACCTCTGCAAAGATGACTTGGAGACAGGCCCTCCTGCTGTCTTGCTTCTCCGCCGTGGT
GCTCCTGTCTATGCTGAGAGAGGGAACCAAGTGTATCTGTGGGCACCATGCAGATGGCGGG
AGAAGAGGCGAGTGAAGATGCAAAACAGAAGATTTTCATGCAGGAATCAGATGCCTCGAA
TTTCTCAAGAGGCGCGCAAGCGGTCCCCAAGTCCCGAGATGAGGTCAATGTGGAAAA
CAGGCAGAAGCTTCGGGTTGATGAGCTGCGGAGAGAATATTACGAGGAACAAAGGAATGA
ATTTGAGAACTTCGTGGAGGAACAAAACGATGAGCAGGAAGAGAGGCCGGGAGGCTGT
GGAGCAGTGGCGCCAGTGGCACTATGACGGCCTGCACCCATCCTATCTCTACAACCGCCA
CCACACGTGATCCCATCCTGAAGCCGGCAAGAAGACAAAGCTTGTAGCACCATTGGCAT
CCCCGTGTTCCAGCAATCTTCCCATGCAAACCGCCCTTCAGAGGGTCTCAGCTTGGGG
TCTGCAGTGGCCAGCAGCTCTTAAAAAGACGCATGCCTTTCCTTCCAGTGTGTGAAAGTG
TCCTGACTTTCACCTCTTTCAGACCATCATCTGAGGTGAGCAACTGCCTGCAGGGCCTC
CTAGTACCAAACCTACAGTGGCTTCCCCTGGCTTGGTTCCCAAGCAAAAGAATCAGTCAA
GAATCACATGTTTGCTTATGGCTTACAAAATAAAACGCTGAACCAAAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145314 unedited GTTANCATTTGTATACGACTTCCCTATAGGCGGCCGCATAACTTCGTATAGCATACATTAT ACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGAGGGGGGA CCCAAAGGGTGCAGGACGCTGGTCTGCCTTGTGGGTCTGGAAGGAGCCCTACCTCTG CAAAGATGACTTGGAGACAGGCCGCTCTGCTGTCTTGTCTTCTCCGCCGTGGTGTCTCTG CTATGCTGAGAGAGGGAACCAAGTATCTGTGGCACCATGCAGATGGCGGGAGAAGAGG CGAGTGAAGATGCAAAACAGAAGATTTTCATGCAGGAATCAGATGCCTCGAATTTCTCA AGAGGCGCGCAAGCGTCCCAAGTCCCGAGATGAGGTCAATGTGAAAACAGGCAGA AGCTTCGGGTTGATGAGCTGCGGAGAGAATATTACGAGGAACAAAGGAATGAATTTGAGA ACTTCGTGGAGGAACAAACGATGAGCATGAAGAGAGGAGCCGGGAGGCTGTGGAGCATT GGCGCCAGTGGCACTATGACGGCTGCACCCATCTATCTCTACAACCGCCACCACAGT GATCCCATCTGAAGCCGGCCAAGAAGACAAAGCTTGTAGCACCATTGGCATCCCCGTGT TCCAGNCAATCTCCCATGCAAACCAGCCCTTCAGAGGGTCTCAGCTTGGGGTCTGCAGT GGCCAGCAGCTCTTGAAGACGCATGCCTTTCCCTTCAGTGTGAAATGTCCTGACTTT CACTTCTTGCAGACATCATCTGAGTGAGCACTGCCTGCAGGCCCTCTAGTCCAAACCTAA GTGGCTTCCCTGGCTTCTCCCAACAAAGAATTATCAAGATCACTGTTTGGCTTATGGCTA CAAATAAAACGCTGAACAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_145314
Insert Size:	840 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:	<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_145314.1</u> , <u>NP_660357.2</u>
RefSeq Size:	840 bp
RefSeq ORF:	417 bp
Locus ID:	221044
UniProt ID:	<u>Q8WVF2</u>
Cytogenetics:	10p13
Protein Families:	Secreted Protein

Gene Summary:

This gene encodes a chondrocyte-specific, highly charged protein that is abundantly expressed in the upper immature zone of fetal and juvenile epiphyseal cartilage. The encoded protein undergoes proteolytic processing to generate a mature protein that is secreted into the extracellular matrix. The glutamic acid residues in the encoded protein undergo gamma carboxylation in a vitamin K-dependent manner. Undercarboxylation of the encoded protein is associated with osteoarthritis in humans. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2015]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).