

Product datasheet for **SC333548**

UCMA (NM_001303118) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UCMA (NM_001303118) Human Untagged Clone
Tag:	Tag Free
Symbol:	UCMA
Synonyms:	C10orf49; GRP; GRP/UCMA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333548 representing NM_001303118. Blue=Insert sequence Red=Cloning site Green=Tag(s)

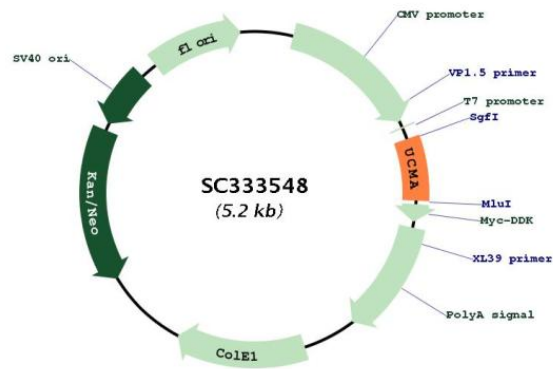
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACTTGGAGACAGGCCGCTCTGCTGTCTTGCTTCTCCGCCGTGGTGCTCCTGTCTATGCTGAGAGAG
GGAACAGTGTATCTGTGGCACCATGCAGATGGCGGGAAGAGGCGAGTGAAGTGAAAAACAGGCAG
AAGCTTCGGTTGATGAGCTGCCGAGAGAATATTACGAGGAACAAAGGAATGAATTTGAACTTCGTG
GAGGAACAAAACGATGAGCAGGAAGAGAGGCCGGGAGGCTGTGGAGCAGTGGCCAGTGGCACTAT
GACGGCCTGCACCATCCTATCTCTACAACCGCCACCACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001303118

Insert Size: 321 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.

RefSeq: [NM_001303118.1](#)

RefSeq Size: 728 bp

RefSeq ORF: 321 bp

Locus ID: 221044

UniProt ID: [Q8WVF2](#)

Cytogenetics: 10p13

Protein Families: Secreted Protein

MW: 12.8 kDa

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 (2) lacks an alternate in-frame exon compared to variant 1. The encoded isoform (2) is shorter than isoform 1.