

Product datasheet for **RC205431**

UCMA (NM_145314) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UCMA (NM_145314) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: UCMA
Synonyms: C10orf49; GRP; GRP/UCMA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205431 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTGGAGACAGGCCGTCCTGCTGTCTTGCTTCTCCGCCGTTGGTCTCCTGTCTATGCTGAGAGAGG
GAACCAAGTGTATCTGTGGCACCATGCAGATGGCGGGAGAAGAGGCGAGTGAAGATGCAAAACAGAAGAT
TTTCATGCAGGAATCAGATGCCTCGAATTTCTCAAGAGGCGCGCAAGCGGTCCCCAAGTCCCGAGAT
GAGGTCAATGTGAAAACAGGCAGAAGCTTCGGGTTGATGAGCTGCGGAGAGAATATTACGAGGAACAAA
GGAATGAATTTGAGAACTTCGTGGAGGAACAAAACGATGAGCAGGAAGAGAGGAGCCGGGAGGCTGTGGA
GCAGTGGCGCCAGTGGCACTATGACGGCCTGCACCCATCTATCTACAACCGCCACCACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205431 protein sequence
Red=Cloning site Green=Tags(s)

MTWRQAVLLSCFSAVVLLSMLREGTSSVSGTMQMAGEEASEDAKQKIFMQESDASNFLKRRGKRSPKSRD
EVNVENRQKLRVDELRRREYEEQRNEFENFVEEQNDEQEERSREAVEQWRQWHYDGLHPSYLYNRHHT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6240_d09.zip

Restriction Sites: SgfI-MluI

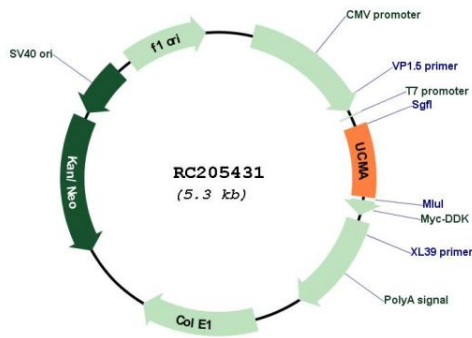


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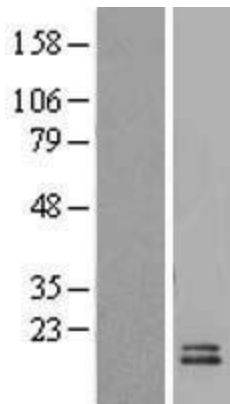
Cytogenetics: 10p13
Protein Families: Secreted Protein
MW: 16.6 kDa

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]

Product images:



Circular map for RC205431



Western blot validation of overexpression lysate (Cat# [LY407961]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205431 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).