

Product datasheet for **RC224788**

CROP (LUC7L3) (NM_006107) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CROP (LUC7L3) (NM_006107) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CROP
Synonyms:	CRA; CREAP-1; CROP; hLuc7A; LUC7A; OA48-18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC224788 representing NM_006107
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTTTCGGCCGCGCAGTTGTTGGATGAGTTAATGGCCGGGACCGAAACCTAGCCCCGGACGAGAAGC
 GCAGCAACGTGCGGTGGGACCACGAGAGCGTTTGTAAATATTATCTCTGTGGTTTTTGTCTCGCGAATT
 GTTCACAATACACGTTCTGATCTTGGTCCGTGTAAAAAATTCATGATGAAAATCTACGAAAACAGTAT
 GAGAAGAGCTCTCGTTTCATGAAAGTTGGCTATGAGAGAGATTTTTTGGGATACTTACAGAGCTTACTTG
 CAGAAGTAGAACGTAGGATCAGACGAGGCCATGCTCGTTTGGCATTATCTCAAACCAGCAGTCTTCTGG
 GGCCGCTGGCCCAACAGGCAAAAATGAAGAAAAAATTCAGGTTCTAACAGACAAAATTGATGTACTTCTG
 CAACAGATTGAAGAATTAGGGTCTGAAGGAAAAGTAGAAGAAGCCAGGGGATGATGAAATTAGTTGAGC
 AATTAAGAAGAGAGAGAACTGCTAAGGTCCACAACGTCGACAATTGAAAGCTTTGCTGCACAAGAAAA
 ACAAATGGAAGTTGTGAAGTATGTGGAGCCTTTTAAATAGTAGGAGATGCCAGTCCCGGGTAGATGAC
 CATTTGATGGGAAAAACAACATGGGCTATGCCAAAATTAAGGCTACTGTAGAAGAATTAAGAAGAAAGT
 TAAGGAAAAGAACCAGAACCTGATCGTGATGAGCGTCTAAAAAAGGAGAAGCAAGAAAGAGAAGAAAG
 AGAAAAAGAACCGGAGAGAGAAAGGGAAGAAAGAGAAAGGAAAAGACGAAGGGAAGGAAGAAAGAGAA
 AAAGAAAGGGCTCGTGACAGAGAAAAGAAAGAGAAAGTTCACGAAGTAGACTCAAGCCGAACAT
 CAGACAGAAGATGCAGCAGGTCTCGGGACCACAAAAGGTCACGAAGTAGAAGAAAGGCGGAGCAGAAG
 TAGAGATCGACGAAGAAGCAGAAGCCATGATCGATCAGAAAGAAAACACAGATCTCGAAGTCGGGATCGA
 AGAAGATCAAAAAGCCGGGATCGAAAGTCAATAAGCACAGGAGCAAAAGTCCGGGACAGAGAAACAAGATA
 GAAAATCCAAGGAGAAAGAAAAGAGGGGATCTGATGATAAAAAAAGTAGTGTGAAGTCCGGTAGTCGAGA
 AAAGCAGAGTGAAGACACAACACTGAATCGAAGGAAAGTGATACTAAGAATGAGGTCAATGGGACCAGT
 GAAGACATTAATCTGAAGGTGACTACTAGTCCAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224788 representing NM_006107
 Red=Cloning site Green=Tags(s)

MISAAQLLDELMGRDRNLAPDEKRSNVRWDHESVCKYYLCGFPAELFTNTRSDLGPCEKIHDENLRKQY
 EKSSRFMKVGYERDFRLYLQSLLAEVERRIRRGHARLALSQNQSSGAAGPTGKNEEKIQVLTDKIDVLL
 QQIEELGSEGKVEEAQGMMLVEQLKEERELLRSTTSTIESFAAQEKQMEVCEVCGAFLIVGDAQSRVDD
 HLMGKQHMGYAKIKATVEELKEKLRKTEEPDRDERLKKKEQEREEREKERERERERERKRRREEEERE
 KERARDRERRKRSRHSRHSRSDRRCSRSRDHKRSRRERRRSRSDRRRSRSHDRSERKHSRSDR
 RRSKSRDRKSYKHSRSDREQDRKSKEKEKRGSDDKKSSVKSREKQSEDNTESKESDTKNEVNGTS
 EDIKSEGDTQSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8031_a06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_006107

ORF Size: 1296 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_006107.3](#), [NP_006098.2](#)

RefSeq Size: 2020 bp

RefSeq ORF: 1299 bp

Locus ID: 51747

UniProt ID: [O95232](#)

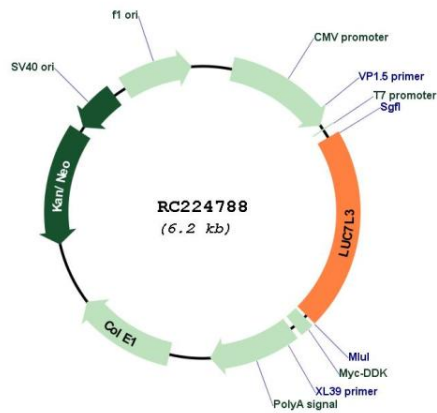
Cytogenetics: 17q21.33

Protein Families: Stem cell - Pluripotency

MW: 51.5 kDa

Gene Summary: This gene encodes a protein with an N-terminal half that contains cysteine/histidine motifs and leucine zipper-like repeats, and the C-terminal half is rich in arginine and glutamate residues (RE domain) and arginine and serine residues (RS domain). This protein localizes with a speckled pattern in the nucleus, and could be involved in the formation of spliceosome via the RE and RS domains. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2009]

Product images:



Circular map for RC224788