

Product datasheet for **RG224788**

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:	TurboGFP
Symbol:	LUC7L3
Synonyms:	CRA; CREAP-1; CROP; hLuc7A; LUC7A; OA48-18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224788 representing NM_006107 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTTTCGGCCGCGCAGTTGTTGGATGAGTTAATGGGCCGGGACCGAAACCTAGCCCCGGACGAGAAGC
GCAGCAACGTGCGGTGGGACCACGAGAGCGTTTGTAAATATTATCTCTGTGGTTTTGTCTCGCGAATT
GTTCAAAATACACGTTCTGATCTTGGTCCGTGTAAAAAATTCATGATGAAAATCTACGAAAACAGTAT
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GGCCGCTGGCCCAACAGGCAAAAATGAAGAAAAAATTCAGGTTCTAACAGACAAAATTGATGTACTTCTG
CAACAGATTGAAGAATTAGGGTCTGAAGAAAAAGTAGAAGAAGCCAGGGGATGATGAAATTAGTTGAGC
AATTAAGAAGAGAGAGAACTGCTAAGGTCCACAACGTCGACAATTGAAAGCTTTGCTGCACAAGAAAA
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CATTTGATGGGAAAAACAACATGGGCTATGCCAAAATTAAGCTACTGTAGAAGAATTAAGAAGAAAGT
TAAGGAAAAGAACCAGAAGCCTGATCGTGATGAGCGTCTAAAAAGGAGAAGCAAGAAAGAGAAGAAAG
AGAAAAAGAACCGGAGAGAGAAAAGGGAAGAAAGAGAAAAGACGAAGGGAAGGAAGAAAGAGAA
AAAGAAAGGGCTCGTGACAGAGAAAGAAAGAAAGTTCGTTACGAAGTAGACACTCAAGCCGAACAT
CAGACAGAAGATGCAGCAGGTCTCGGGACCACAAAAGGTCACGAAGTAGAGAAAAGAGGGGAGCAGAAG
TAGAGATCGACGAAGAAGCAGAAGCCATGATCGATCAGAAAAGAAAACACAGATCTCGAAGTCGGGATCGA
AGAAGATCAAAAAGCCGGGATCGAAAGTCATATAAGCACAGGAGCAAAAGTCGGGACAGAGAAACAAGATA
GAAAATCCAAGGAGAAAAGAAAGAGGGGATCTGATGATAAAAAAGTAGTGTGAAGTCCGGTAGTCGAGA
AAAGCAGAGTGAAGACACAAACTGAATCGAAGGAAAGTGAATAAGAATGAGGTCAATGGGACCAGT
GAAGACATTAATCTGAAGGTGACTCAGTCCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG224788 representing NM_006107
Red=Cloning site Green=Tags(s)

MISAAQLLDELMGRDRNLAPDEKRSNVRWDHESVCKYYLCGFCPAELFTNTRSDLGPCEKIHDENLRKQY
 EKSSRFMKVGYERDFRLYLQSLLAEVERRIRRGHARLALSQNQSSGAAGPTGKNEEKIQLVTDKIDVLL
 QQIEELGSEGKVEEAQGMMLKVEQLKEERELLRSTTSTIESFAAQEKQMEVCEVCGAFLIVGDAQSRVDD
 HLMGKQHMGYAKIKATVEELKEKLRKRTEEPDRDERLKKKEQEREEREKEREREEREERERKRRREEEERE
 KERARDRERRRKRSRSRHSSRTSDRRCSRSRDHKRSRSRERRRSRSDRRRSRSHDRSERKHRSRSDR
 RRKSRDRKSYKHSRSDREQDRKSKEKEKRGSDDKSSVKSGSREKQSEDNTTESKESDTKNEVNGTS
 EDIKSEGDTQSN

TRTRPLE - GFP Tag - V

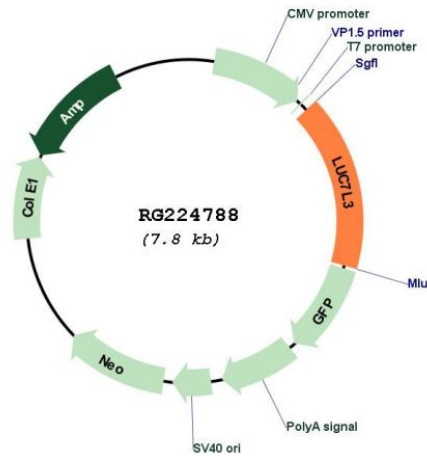
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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:	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
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]