

Product datasheet for **RR207735**

Cryl1 (NM_175757) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cryl1 (NM_175757) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cryl1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207735 representing NM_175757
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCCCCAGCAGCGGGCGGGTGGTGATCATAGGCAGTGGACTCATTGGCCGGAGCTGGGCTATGC
TGTTTGCCAGTGGAGGCTTCAAGGTGAACTCTATGACATTGAGCAACAGCAGATAACGAACGCCCTGGA
AAGCATCAGGAAGGAGATGAAATCGCTGGAGCAGTCTGGTTCTCTCAAAGGCTCCCTGGGCGCAGAGCAG
CAGCTCTCTCATCAGTGGCTGCGGTAACCTCGCCGAAGCAGTAGAGGGGCCATGCACATTCAGGAGT
GCGTCCGGAGAACCTAGAACTGAAGAAGAAGATTTTTGCCAGCTGGACCGCATTGTGGACGACCAGGT
CATCCTCAGCAGCTCTAGCTCATGCCTGCTGCCTTCCAAGCTGTTACGGGCTTGGCACATGTGAAGCAG
TGCATCGTGGCTCATCTGTCAATCCACCATATTATGTCCCGCTGGTTGAGCTAGTCCCTCACCCAGAGA
CAGCTCCAGCCACAATGGACAGAACCTATGCCTTGATGAAGAAGATTAGACAGACCCAGTGAGAGTCTT
GAAGGAGATCGATGGCTTTGTCTGAACCGCTTGACGTACGCGATCATCAGTGAGGCTGGAGACTGGT
GAGGAAGGAATAGTGTCTCCTAACGACCTGGACCTGGTCATGTCAGATGGGCTGGGTATGCGGTATGCGT
TCATTGGACCCTTGAGACCATGCACCTCAATGCGGAAGGTATGGTGAGCTACTGTGACAGATACAGTGA
AGGAATGAAGCGTGTCTCAAGACTTTTGGGCCTGTTCCCGAGTTCTCAGGGACACAGTGGAGAAAGTT
AACCAGGACATGTGCATGAAGGTTCCAGATGATCCAGAGCACTTAGTGCAGGAGGCATTGGAGGGACG
ACTGTCTCATGCAACTCTCCAACTGAAGCACCAGATGCAGCCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207735 representing NM_175757
 Red=Cloning site Green=Tags(s)

MASPAAGGVVVIIGSGLIGRSWAMLFASGGFKVKLYDIEQQQITNALESIRKEMKSLEQSGSLKGSGLGAEQ
 QLSLISGCGNLAEAVEGAMHIQECVPENLELKKKIFAQLDRIVDDQVILSSSSCLLPSKLF TGLAHVKQ
 CIVAHPVNPYYVPLVELVPHPETAPATMDRTYALMKKIRQTPVRVLKEIDGFVNLRLQYAIISEAWRLV
 EEGIVSPNDLDL VMSDGLGMRYAFIGPLETMHLNAEGMVS YCDRYSEG MKRVLKTFGPVP EFGSDTVEKV
 NQDMCMKVPDDPEHLAARRHWRDDCLMQLSKLKHQMPPQ

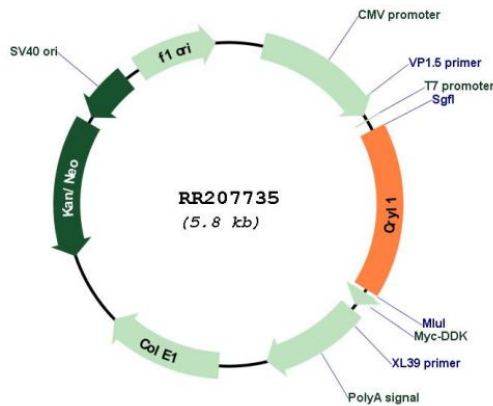
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_175757

ORF Size:	957 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_175757.2 , NP_786933.1
RefSeq Size:	1433 bp
RefSeq ORF:	960 bp
Locus ID:	290277
UniProt ID:	Q811X6
Cytogenetics:	15p12
MW:	35.3 kDa
Gene Summary:	human homolog is a putative enzyme-crystallin that is downregulated in cancer tissues [RGD, Feb 2006]