

Product datasheet for **RR211539**

Prelp (NM_053385) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prelp (NM_053385) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prelp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211539 representing NM_053385 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGCATCCTTCTTCTGGTTCCCTTCCACTTCTCCTCATCTTGGCCTCAGTGGCCCAAGGCCAGCCAA
GACCAAAACCTGGGATTAGGCGTAAACCCAAGCCAAGGCCACACCCAGCTTTTCTCAGCCCCACGAGCC
AGCAGAGCCCACAGACCTGCCTCCACCCCTTCTCCTGGCCCTCCATCTGTCTTCCCTGACTGTCCACGG
GAATGCTACTGCCCGCCTGACTTCCCATCAGCCCTCTACTGTGACAGCCGAAACCTTCGCAAGGTCCCAA
TCATCCCACCCCGAATCACTACCTTTATCTGCAGAACAACCTTCATCACCGAGCTCCCCGTAGAATCTTT
CAAAAATGCCACAGGCCTCAGGTGGATCAACCTGGACAACAACCGCATTGCAAGGTGGACCAGAGAGTG
CTGGAGAAGCTCCCTGGCCTGGCATTCTCTACATGGACAAGAACCAGCTGGAAGAGGTGCCATCAGCTC
TGCCCCGGAACCTGGAACAGCTGAGGCTAAGCCAGAACCTCATCTCCAGGATCCC GCCCGGAGTATTCAG
CAAGCTTGAGAACCTTCTGCTTCTGGATCTGCAGCACAATAGGCTGAGCGACGGAGTCTTCAAAGCCGAC
ACCTTCCAGGGCCTCAAGAACCTCATGCAACTCAATCTGGCCACAACATCCTGAGAAGGATGCCCCCA
AGGTGCCCGGCCATTACCAGCTCTACCTGGACAGCAATAAGATCGAGACCATTCCCAGCGGATACTT
CAAGGACTTCCCCAACCTTGCCCTCATCCGCATGAACTACAACAAGCTGTGCGATCGAGGGCTCCCCAAG
AACTCCTTCAACATCTCCAATTGCTGGTGTCTCACTTGTACACAACAAGATCAGCAATGTGCCGGCCA
TCAGCAACAAGCTGGAACACCTGTACCTCAACAACAATAGCATAGAGAAGATCAATGGGACCCAGATTTG
CCCCAGCAACCTAGTGGCCTTCCATGACTTCTCCTCGGATCTGGAAAACGTGCCACACCTGCGCTACCTG
CGGCTGGATGGGAATTTCTGAAGCCACCCATCCCGTTGGACCTCATGATGTGCTTCCGCTCCTGCAGT
CTGTGGTTATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211539 representing NM_053385
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MRASFFWFLPLLLILASVAQGQPRPKPGIRRKPKPRPTPSFPQPHEPAEPTDLPPLPPGPPSVFPDCPR
 ECYCPDFPSALYCDNRNLKVP IIPRIHYL YLQNNF IITELPVE SFKNATGLRWINLDNNRIRKVDQRV
 LEKLPGLAFLYMDKNQLEEVPSALPRNLEQLRLSQNLISRIPPGVFSKLENLLLLDLQHNRLSDGVFKAD
 TFQGLKNLMQLNLAHNILRRMPPKVPPIHQLYLDSNKIETIPSGYFKDFPNLAFIRMNYNKLSDRGLPK
 NSFNISNLLVLHLSHNKISNVPATISNKLHLYLNNNSIEKINGTQICPSNLVAFHDFSSDLENVPHLRYL
 RLDGNFLKPP IPLDLMMCFRLLQSVVI

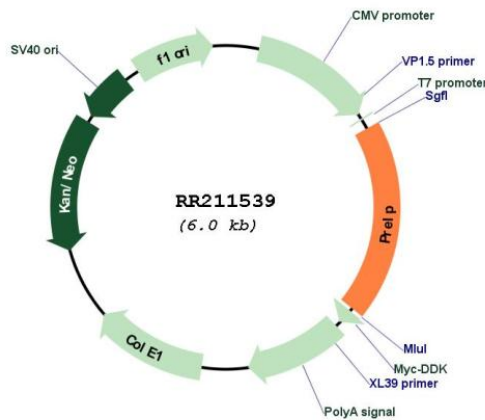
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053385

ORF Size:	1131 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_053385.1 , NP_445837.1
RefSeq Size:	1446 bp
RefSeq ORF:	1134 bp
Locus ID:	84400
UniProt ID:	Q9EQP5
Cytogenetics:	13q13
MW:	43.2 kDa
Gene Summary:	binds heparin; may link cell surface proteoglycans to the extracellular matrix [RGD, Feb 2006]