

Product datasheet for **RR214953**

Epcam (NM_138541) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Epcam (NM_138541) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Epcam
Synonyms: Egp314; Tacstd1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214953 representing NM_138541
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGCCCCCAAGGCCCTCGCGTTCGGGCTCCTGCTCGCGGTGGTACGGCGACGCTGGCCGAGCTC
AGAAAGACTGTGTCTGTAACAACACTACAAGCTGACGTCACGGTGCTATGAGAATGAGAATGGTGAATGCCA
GTGTACTTCTATGGGACACAAAATACTGTCATTTGCTCCAACTGGCATCCAAGTGCTTGGTGATGAAG
GCGGAGATGACTCACAGCAAGTCTGGGAGGAGGATGAAACCCGAGGGGGCGATCCAGAACAACGACGGTC
TGTATGATCCCGAGTGTGACGAGCAAGGGCTCTTCAAAGCCAAGCAGTGCAACGGCACCGCCACGTGCTG
GTGCGTGAACACCGGGGTGTCCGGAGAACCGACAAGGACACGGAGATCACGTGCTCCGAGAGAGTGAGG
ACCTACTGGATCATCATTGAGCTCAAACACAAAGAAAGAGCACAGCCTTATAACTTCGAGAGTTGCATA
CTGCACTTCAGGACACATTTGCATCTCGATACATGCTGAATCCGAAATTTATCAAAGTATTATGTATGA
GAATAATGTTATCACTATTGATTTGATGCAAACTCTTCTCAGAAGACTCAAGATGATGTGGACATAGCT
GATGTGGCTTACTATTTTGAAAAGATGTAAGGGGGAGTCTTGTCCATTATCTAAGAGCATGGACC
TGAGGGTGAACGGGGAGCTCCTCGATCTGGACCCCGGCAGACTCTGATTTACTACGTCGATGAAAAGGC
CCCGAGTTTTCCATGCAGGGCCTCACGGCTGGGATCATCGCCGTCATTGTCGTGGTGGTGTAGCAGTC
ATTGCGGGGATTGTTGCTGTTATATCTACAAGGAAGAGATCAGCAAATATGAGAAGGCTGAGATAA
AGGAGATGGGTGAGATACACAGAGAGCTCAATGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214953 representing NM_138541
 Red=Cloning site Green=Tags(s)

MAPPKALAFGLLLAVVTATLAAAQKDCVCNYYKLT SRCYENENGEQCQTSYGTQNTVICSKLASKCLVMK
 AEMTHSKSGRMKPEGAIQNNDGLYDPECDEQGLFKAKQCNGTATCWCVNTAGVRRTDKDEITCSESRV
 TYWIIIECLKHKERAQPYNFESLHTALQDTFASRYMLNPKFKIKSIMYENNVITIDLMOSSQKTQDDVDIA
 DVAYYFEKDVKGESLFHSSKSMDLRVNGELLDLDPGQTLIYVVDEKAPEFSMQGLTAGIIAVIVVVVLAV
 IAGIVVLI STRKRS AKYEKAEIKEMGEIHRELNA

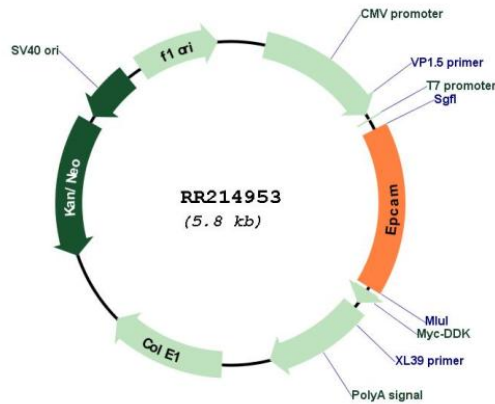
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_138541

ORF Size: 945 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_138541.1 , NP_612550.1
RefSeq Size:	1469 bp
RefSeq ORF:	948 bp
Locus ID:	171577
UniProt ID:	O55159
Cytogenetics:	6q12
MW:	35.2 kDa
Gene Summary:	involved in metastasis formation and tumor progression [RGD, Feb 2006]