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Product datasheet for RC212297

EPN3 (NM_017957) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPN3 (NM_017957) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EPN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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ORF Nucleotide Sequence:

>RC212297 representing NM_017957
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGACCTCCGCACTCCGGCGCCAGGTGAAGAACATCGTGCACAACTACTCCGAGGCAGAAATCAAGG
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CTTCAACACAGTGGCCTTCACCGAAGTCATGGGCATGCTGTGGCGGCGGCTCAATGACAGCGGCAAGAAC
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ACCAGTGCCGCGAGAACCTCTACACCATCCAGACACTCAAGGACTTCCAGTACATCGACCGCGACGGCAA
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GCAGCGTGCCAGCTGGCTTGACCCTCCCCGCCTCGGTTAGCGTCTTCCCGCAGGCCGGAGCCTTCGCACC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

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>RC212297 representing NM_017957
Red=Cloning site Green=Tags(s)

MTTSALRRQVKNIVHNYSEAEIKVREATSNDPWGPPSSLMSEIADLTFNTVAFTEVMGMLWRRLNDSGKN
WRHVYKALTLLDYLLKTGSERVAHQCRENLYTIQTLKDFQYIDRDGKDQGVNVREKVKQVMALLKDEERL
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ELQLQLALAMSREEAEKPVPPASHRDEDLQLQLALRLSRQEHEKEVRSWQGDGSPMANGAGAVVHHQRDR
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SGTVLSRSQPWDLTPMLSSSEPWGRTPVLPAGPPTTDPWALNSPHHKLPSTGADPWGASLETSDTPGGAS
TFDPFAKPPESTETKEGLEQALPSGKPSSPVELDLFGDPSPSSKQNGTKEPDALDLGILGEALTQPSKEA
RACRTPESFLGPSASSLVNLDSLVKAPQVAKTRNPFLTGLSAPSPTNPFGAGETGRPTLNQMRTGSPALG
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FL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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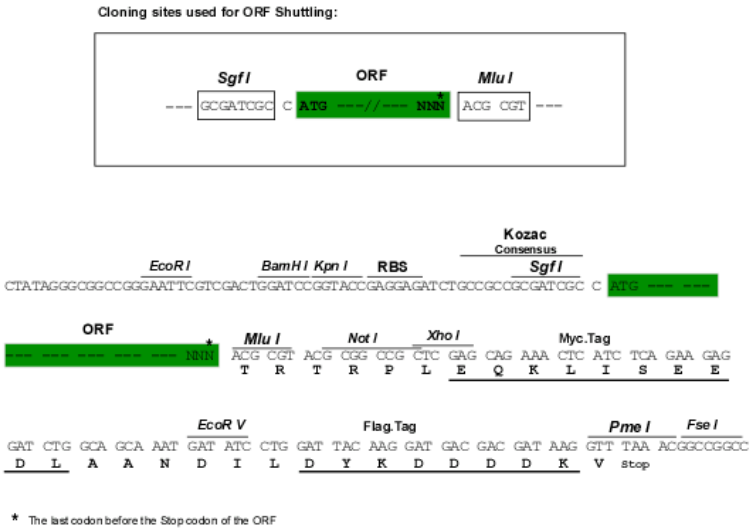
Chromatograms: https://cdn.origene.com/chromatograms/mk6594_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017957

ORF Size: 1896 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.

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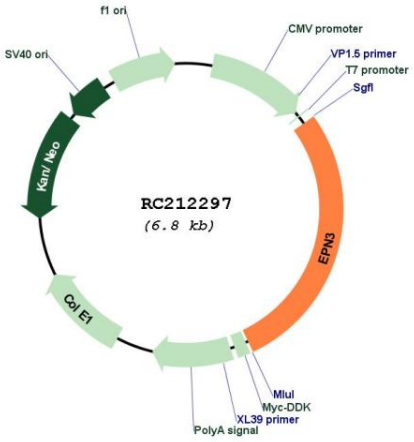
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_017957.3
RefSeq Size:	2943 bp
RefSeq ORF:	1899 bp
Locus ID:	55040
UniProt ID:	Q9H201
Cytogenetics:	17q21.33
Domains:	ENTH, UIM
Protein Pathways:	Endocytosis
MW:	68 kDa

Product images:



Circular map for RC212297

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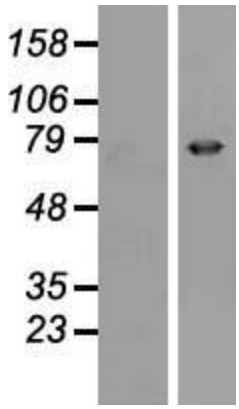
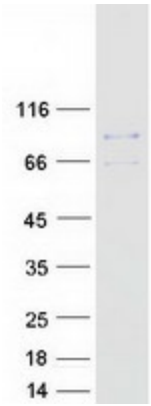


Western blot validation of overexpression lysate (Cat# [LY413399]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212297 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EPN3 protein (Cat# [TP312297]). The protein was produced from HEK293T cells transfected with EPN3 cDNA clone (Cat# RC212297) using MegaTran 2.0 (Cat# [TT210002]).

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