

Product datasheet for **RC204919**

EPS8L1 (NM_017729) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPS8L1 (NM_017729) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EPS8L1
Synonyms:	DRC3; EPS8R1; PP10566
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC204919 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAGAACATGGCCAAGAAGGATCTGGGGAGCAGCCAGGACGAGGCGGAGCTGATCCGAGAGGACA
 TCCAGGGGGCTCTGCACAATTACCGCTCGGGCCGCGGGAGCGCAGGGCGGCGCGCTCAGGGCCACGCA
 GGAGGAGTTGCAGCGCGACCGCTCGCCCGCGCTGAGACCCCGCCCTGCAGCGCCGCGCTCAGTCCGC
 GCAGTGATCAGCACCGTAGAGCGGGCGCGGGCGCGGACGACCCAGGCGAAGCCATTCCCGAGGACAG
 AGGAGGCGCAGAGGCTGAGCCGGTGGGACCTCGAGCAACGCTGACTCGGCCTCCCGGACCTGGGTCC
 CCGGGGTCTGACCTGGCGTTCTGCAGGCGGAGCGGGAAGTGGACATCTGAACCACGTGTTGACGAC
 GTAGAGAGCTTTGTATCGAGGCTGCAGAAGTCGGCGGAGGCGCCAGGGTCTGGAGCACCGGGAACGCG
 GCCGAGGAGCCGCGCGCGGGCGGCTGGGAGGGCTTGCTGACGCTCGGGCCAAGCCGCCCTCGGAGGC
 CGAGTACACCGACGTGCTGCAGAAGATCAAGTACGCCCTCAGCCTGCTGGCCCGGCTGCGCGGCAACATC
 GCCGACCCCTCCTCTCCGAGCTGTTGCACTTCTTTTCGGGCCTCTGCAGATGATTGTGAACACGTCGG
 GGGGGCCGGAGTTCGCGAGCAGTGTGCGGCGGCCGCATCTGACATCGGATGCCGTGGCGTGTGCGGGA
 CAACGTCACTCCACGTGAAAACGAGCTCTGGACCTCGTGGGGGACTCGTGGACCCGCCCGGGCTGGAG
 CTGTCCCGGAGGAGGACCCCATACAGACCCGAGTTCTTCAGCGGCTGGGAGCCGCCGGTCACTGACC
 CGCAGAGCCGCGCTGGGAGGACCCAGTTGAGAAACAGCTACAGCACGAGCGGAGGCGCCGCGCAGAAAG
 CGCCCCCAGGTCGCTGTCAATGGTCACCGAGACTTGAGCCAGAATCTGAGCCTCAGCTGGAGTCAGAG
 ACAGCAGGAAAAATGGGTCTGTGAATTATGACTTCCAGGCCCGCAACAGCAGTGAAGTGTGCGGTCAAGC
 AGCGGGACGTAAGTGGAGTCTGGATGACAGTCGTAAGTGGTGAAGTTTCGGGACCCAGCGGGGAGGAG
 GGATATGTGCCCTACAACATCTGACACCTACCCCGGACCCCGGCTGCACCACAGCCAAAGCCCTGCC
 CGCAGCCTGAACAGCACTCCTCTCCACCACGAGCCCGGCGCCGCGCCAGCTCTGGCTCGGC
 CCCGCTGGGACAGGCCCCGCTGGGACAGCTGCGATAGCCTCAACGGCTTGAGCCCGAGGAGGAGAA
 ATTCTCCAGATGCTCATCGTCAACGAGGAAGTGCAGGCGCGCTGGCCAGGGCCGCTCGGACCGAGC
 CGCGCAGTCCAGGGCCCCGCGCCCGGAACCGCAGCTCAGCCCGGGCTCGGACGCTCCGAGGTCCGCG
 CCTGGCTGCAGGCAAGGGCTTTAGCTCCGGGACCGTGGACGCGCTGGGTGTGCTGACCGGGGCGCAGCT
 TTTCTCGCTGCAGAAGGAGGAGCTGCGGCGGTGAGCCCCGAGGAGGGGGCACGTGTGTACAGCCAGGTC
 ACCGTGCAGCGCTCGCTGCTGGAGGACAAAGAGAAAGTGTGAGAGCTGGAGGCAGTGATGGAGAAGCAA
 AGAAGAAGGTGGAAGGCGAGGTGAAATGGAGGTCATT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204919 protein sequence
 Red=Cloning site Green=Tags(s)

MNRTWPRRIWGSSQDEAELIREDIQGALHNYRSGRGERRAAALRATQEELQRDRSPAETPPLQRRPSVR
 AVISTVERGAGRGRPAKPIPEAEEAQRPEPVGTSSNADSASPDLGPRGPD LAVLQAEREVDILNHVDD
 VESFVSRLQKSAEAAARVLEHRERGRSRRAAGEGLLTLRAKPPSEAETDVLQIKIYAFSLARLRGNI
 ADPSSPELLHFLFGPLQMI VNTSGGPEFASSVRRPHLTSDAVALLRDNTPRENELWTS LGDSWTRPGL
 LSPEEGPPYRPEFFSGWEPPVTD PQSRAWEDPVEKQLQHERRRRQQSAPQVAVNGHRDLEPESEPLESE
 TAGKWVLCNYDFQARNSEL SVKQRDVLEVLDDSRKWKVVRDPAGQEGYVPYNI LTPYGPRLHHSQSPA
 RSLNSTPPPPAPAPAPPALARPRWDRPRWDCDSLNLDPSEKEKFSQMLIVNEELQARLAQGRSGPS
 RAVPGPRAPEPQLSPGSDASEVRAWLQAKGFSSGTVDALGVL TGAQLFSLQKEELRAVSPEEGARVYSQV
 TVQRSLLEDKEKVSELEAVMEKQKKKVEGEVEMEVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6780_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017729

ORF Size: 1788 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:

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.

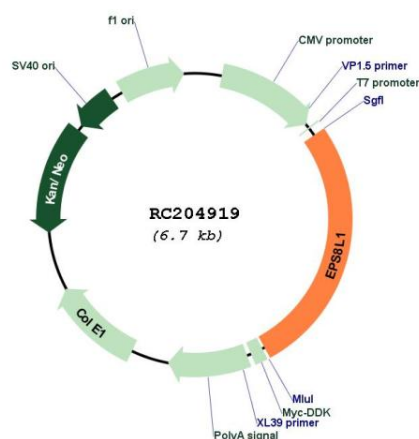
RefSeq: [NM_017729.3](#), [NP_060199.3](#)

RefSeq Size: 2224 bp

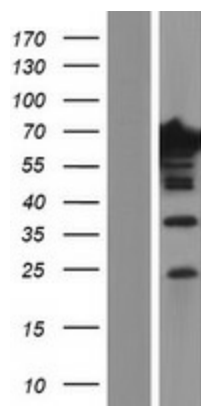
RefSeq ORF: 1791 bp

Locus ID:	54869
UniProt ID:	Q8TE68
Cytogenetics:	19q13.42
Protein Families:	Druggable Genome
MW:	66.5 kDa
Gene Summary:	This gene encodes a protein that is related to epidermal growth factor receptor pathway substrate 8 (EPS8), a substrate for the epidermal growth factor receptor. The function of this protein is unknown. At least two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

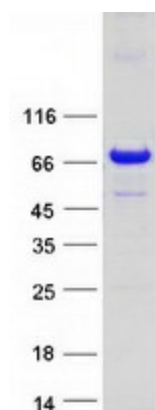
Product images:



Circular map for RC204919



Western blot validation of overexpression lysate (Cat# [LY413581]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204919 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EPS8L1 protein (Cat# [TP304919]). The protein was produced from HEK293T cells transfected with EPS8L1 cDNA clone (Cat# RC204919) using MegaTran 2.0 (Cat# [TT210002]).