

Product datasheet for **MR211092**

Eps15 (NM_007943) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eps15 (NM_007943) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eps15
Synonyms:	2410112D09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR211092 representing NM_007943
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCTGCGGCAGCCAGCTCTCCCTGACACAGTTGTCAAGTGGGAATCCTGTATATGAAAAATACTACA
GACAGGTTGAGGCAGGCAATACTGGAAGGGTGTGGCGTTAGATGCTGCTGCATTCTGAAAAAGTCAGG
GCTCCAGACTTGATTCTTGAAAAGATTTGGGATTTAGCTGACACAGATGGCAAAGGTGCTCTGAGCAAA
CAAGAATCTTTGTTGCTTACGGCTTGTGGCATGTGCTCAGAATGGACTGGAAGTTTCACTGAGTAGCC
TAAGTCTGGCTGTTCTCCACCAAGATTTCACTGACTCCAGCAGTCCGTTGCTAACCAGTGGGCCCTCAGT
TGCTGAGCTCCCGTGGGCTGTAAGTCTGAAGATAAAGCCAAATATGATGCAATTTTTGACAGTTTAAAGC
CCAGTGGATGGATTTTTGTCTGGTGATAAAGTGAACAGTGTGCTCAACTCTAAGTTACCTGTGGAAA
TCCTTGGAAAGAGTTTGGGAGTTGAGTGATTTGACCACGATGGAAAGCTGGACAGAGATGAGTTTGCAGT
TGCCATGTTTTTGGTATACTGTGACTGGAGAAAGAACCTGTGCCAATGCTCTTGCCCTCCAGCCTTGGTG
CCACCTTCTAAGAGAAAAACGTGGGTTGTATCCCTGCAGAAAAAGCTAAATATGATGAAATTTTTCTGA
AAACTGATAAGGATATGGATGGATATGTGTCTGGACTGGAGTCCGTGAAACCTTCTGAAAAACAGGTTT
ACCTTCTGCCTTGTAGCCACATTTGGTCACTATGTGACACAAAAGGGCTGTGGGAAGCTTTCAAAGAC
CAGTTTGCCTTGGCTTTTCACTTAATCAATCAGAAGTTAATAAAAGGCATTGACCCTCCTCATAGTCTCA
CTCCTGAGATGATTCCACCATCAGACAGATCCAGTTTACAAAAGAATCACAGGATCAAGTCTGTTGC
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CCTGGGTGAAGTGGATGAGCAGAAAAGCCAGCTGGAGGAGCAGCTCCAGGAAGTCAGAAAAAAGTGTGCT
GAGGAGGCCAGCTGATTTCTCCCTGAAAGCAGAAAATACTAGTCAAGAATCTCAGATCTCCAGTTATG
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TCAATGCAAAATGAGATTGGAAATGAAAGATCTGGAACTGATAATAACCAATCAAATTGGAGCAGTAGCC
CACAAAGCGTTCTTGTAAATGGTGTACAGATTACTGTAGCCTCAGCACCAGCAGCAGTGAACAGCCAA
CTTCAACGAACATGCTGAAGGCCAAAACAACCTAGAGTCTGAACCCACACACCAGGAGTCCCTCAGTAAGA
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AAGTTACTCCGAGATTTGACGATGACAAGCACTAAAAGAGGAAGATCCATTTAATGTAGAATCAAGTTC
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TTCAAGGATGATCCTTTTGGAAAATTGATCCATTTGGTGGTGAACCTTTCAAAGGCTCAGATCCTTTTG
CGTCTGATTGCTTCTTAAAGCAGACTTCTACTGATCCTTTTACCCTTCAAGTACGGACCCTTTCAGTGC
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CCAGCACTGCCGCCAAAAGTTGGCACTCCAACAAGACCTTGCCCGCCACCCCTGGGAAAAGACCCATCA
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CAAAGAAAAGATCCTGATATGTTTTGTGATCCATTCCTTCTTACCCTACCAATAAAGAGGCTGAC
CCAAGCAATTTTGTAACTTCAGTGCTTATCCCTCTGAAGAAGATATGATTGAATGGCAAAAAGGGAAA
GTGAGCGGGAAGAAGAACAGAGGCTTGCCAGACTAAATCAGCAGGAGCAAGAAGACTTGGAACTGGCCAT
TGCACTTAGCAAACTGAGATCTCAGAAGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211092 representing NM_007943
 Red=Cloning site Green=Tags(s)

MAAAAQLSLTQLSSGNPVYEKYRQVEAGNTGRVLALDAAFLKKSGLPDLILGKIWDLADTDGKGVLSK
 QEFFVALRLVACAQNGLEVLSLSSLAVPPPRFHDSSSPLLTSGPSVAELPWAVKSEDKAKYDAIFDSL
 PVDGFLSGDKVPVLLNSKLPVEILGRVWELSDIDHDGKLDREFAVAMFLVYCALEKEPVMSLPPALV
 PPSKRKTWVWSPAEEKAKYDEIFLKTDKMDGYVSGLEVRETFLLKTLGPSALLAHIWLSLCTDKGCGKLSK
 QFALAFHLINQKLIKIDPPHSLTPEMIPPSDRSSLQKNITGSSPVADFSAIKELDTLNNEIVDLQREKN
 NVEQDLKEKEDTVKQRTSEVQDLQDEVQRESINLQKLQAQKQVQELLGELDEQKAQLEEQLQEVKKA
 EEAQLISSLKAEITSQESQISSYEEELLKAREELSRLLQETAQLEESVESGKAQLEPLQQHLQESQEQEIS
 SMQMRLEMKDLETDNNQSNWSSSPQSVLVNGATDYCSLSTSSSETANFNEHAEGQNNLESEPHQESSVR
 SSPEIAPSDVTDSEAVTVAGNEKVTFRFDDDKHSKEEDPFNVSSSLTDAVADTNLDFQSDPFVGS
 FKPDPFGKIDPFGGDPFKGSDPFASDCFFKQSTDPFTTSTDPFSASSNSNTSVETWKHNDPFAPGGT
 VAAASDSATDPFASVFGNESFGDGFADFSTLSKVNNEDAFNPTISSSTSVTIKPMLEETASKSEDVP
 PALPPKVGTPTRPCPPPGKRPINKLDSSDPLKLNDFPFQPFPGNDSPKEKDPDMFCDFPFTSTTTNKEAD
 PSNFANFSAYPSEEDMIEWAKRESEREEEQRLARLNQQEQEDLELAIALSKSEISEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

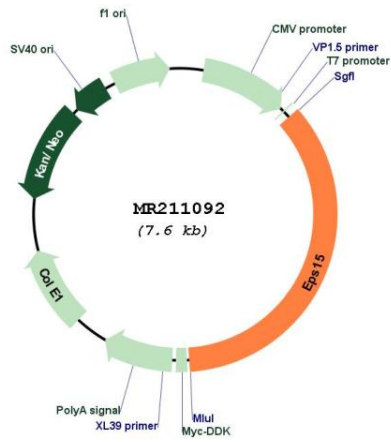
Cloning Scheme:



ACCN: NM_007943

ORF Size:	2691 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_007943.3 , NP_031969.1
RefSeq Size:	5193 bp
RefSeq ORF:	2694 bp
Locus ID:	13858
UniProt ID:	P42567
Cytogenetics:	4 C7
MW:	98.9 kDa
Gene Summary:	Involved in cell growth regulation. May be involved in the regulation of mitogenic signals and control of cell proliferation. Involved in the internalization of ligand-inducible receptors of the receptor tyrosine kinase (RTK) type, in particular EGFR. Plays a role in the assembly of clathrin-coated pits (CCPs). Acts as a clathrin adapter required for post-Golgi trafficking. Seems to be involved in CCPs maturation including invagination or budding. Involved in endocytosis of integrin beta-1 (ITGB1) and transferrin receptor (TFR); internalization of ITGB1 as DAB2-dependent cargo but not TFR seems to require association with DAB2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211092