

Product datasheet for **RC212507**

ECT2L (NM_001077706) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECT2L (NM_001077706) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ECT2L
Synonyms:	ARHGEF32; C6orf91; dj509i19.2; dj509i19.3; dj509i19.5; FBXO49; LFDH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC212507 representing NM_001077706
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGAGCTTCCACACCAGATTTAGTGCCTGGACACCTTTTAGCAACAAGTCATTAAATAGACAGCTCT
TTCAGGAAAGAGTGGCTCTTATAAGTCATTGGTTTGACCTCTGGACTAACAAAGCAACGTCAAGAATCTT
ATTCGCAATTTTTTAAGATGCACTAAATCACAATTAAGGTTTGTCCAAGACTGGTTTTAGAAAAGGATG
CAAGTGGCCAAAGTGGACTTCTCTACAGTGTACCACGCTTCATTTCTCTATATATCTTTTCCTTTTTGA
GTCCGAAAGATTTGTGTGCCGCTGCCAAAGTCAGCTGGCCCTGGAAGTTTTAACTGAACAGGATTGCTT
ATGGATGCCCAAATGCGTTAAGTTCGGATGTTTCTGCCCTATACTCCAACAGATAATGAGTATGGTGCT
TGGAAAGCGCCATTACATTGCTTGTGTGCCACTTAGACTGGCTGACACCTAGGGAGGCTGCTGCTACTT
ATGGGACGCTGAATGAACCCAAAACAGAAGATGAGGAAGTACTGGAGAGACAAAGAGAAAAGTGCCTGAG
GAAAAGAAATTTGGGAGAAAATTCAGTACGTAAGAAGGAGTTATTCAAAGTTCGACCCCTTGGGTGAGT
GGAATTGCTGCTAGCGTGCTAAAGCCAGATGCCAACACGCTCTCCAGACTGTAAGGGAGCGAG
TGGGATTACATGAAGCTTTGGAGAAACAGCTTGTTTTGACATCGTTAGAAACCTTGCCAAAGCGAAGCAA
TATTTCTGGAAGCCATTCTACCCTTTATTATCAAAGAAAAATGGCATGGAGTTCATAAAAAATGATGAC
AGATCTTCATATGCTCTCCGGCCACACTTCATGTTAATATCATCCCGGATTCCTGCGTATGAGATGGTGA
TGGAGAGTGTGAAGGCTGGTGTGTTCTGTGGTATATGAACACAGCGTAACCTTGGAAGCCTTCTGTA
TCTTATAGAAAAAGCTCTGGATGGGCAGAAAGGCACAGAGCATCGGAATATTTAGCGATGGAGACAGCAGA
GAAATCAATTTACTCCAAGGCTATAAAATTTGGTGTAAAAATTTACTGAGGCCTGAAGTGAAGATTTCT
GGGAGAAATAGGAAGCTATGTGGCCACTGAAGAAGAAGGGGGTACAGTGGACTTCTCGTCCCTTGG
AGCATCAGAGGCAGGAATTGAAGTCTTTCCAGCTGTCTCAACTAACTGGCACGTTCTTTACGGCCCCC
ACTGGGATTGCAACTGGCTCTTACCAGCACATTCTAGTGATTGGCTGGGATCCCAATGGGGAAAGGCC
CCTCTTCCATCTACTTCTGCAATCGAAGCTACAGACGTGGTCCAGCTTCACAGACTTCTAGAAGAAAC
CTTGAAAACAGTAAGGAAGCAGCTGTATCCTTTCTCAAGGAAGTGCAGAAGAGCATCAGTGGCAGGATG
ATAGGGCAGTTTATGTTTGACACCATGGGTATGACCAACATTCTAAACAACCAAGATACTGCGCAAGCTC
TGGCAGATGGATTGATGGAGTTGTCAAAGAAGATTCTGAAAGAAATGTTGTAGAAGACAATTCTGGGA
CACAAAGTCCAGGCTCAGCAAAAATGATTTAAATTTGAAGCACTGATTAATCTGGAGAGAATACTCCAG
AAGGACTCAGCAGAAAAGCGAGCTAGAGTTGTGAGAGAACTCTACAGAGTGAAGAAAAATACGTGCAGA
TACTGGAATTTGTGAGAGATGTTTATGTGCGCACCCTGAAAGCAGCATTGTCATCAAACAGAGCGATTCT
GAGTGCTGCCAATATCCAGATCATTTTCTGTGACATTCTACAGATTTTAAAGTCTCAACAGGCAGTTTCTA
GATAACCTGAGAGACAGACTGCAGGAATGGGGCCAGCTCACTGTGTGGGAGAAATAGTCACGAAGTTTG
GAAGCCAGTTAAACACATATACCAATTTCTTCAACAATTACCCTGTCTTCTGAAAATATTGAGAAGTG
CAGAGAAATGATACCAGCATTCCGAATTTCTGAAGAGGCATGATAAGACCATTGTTACCAAAATGCTG
AGCCTGCCAGAGCTGCTGCTGTACCCATCCCAGGATTTGAAGAATACCTTAATCTTCTACGCTGTCA
GGCTTCATACCCCTGCAGAGCATGTTGACCGTGGGGACTTGACCACTGCAATTGACCAAAATCAAAAAATA
TAAAGTTATATAGATCAGATGAAGCAAAACATCACTATGAAGGATCATCTGTGAGATATACAGAGAAAT
ATCTGGGGATGCCCTACTCTATCAGAAGTAAACAGATATCTGATTAGGGTACAAGATGTAGCCCAACTTC
ATTGCTGTGATGAAGAAATAAGTTTCTTTAAGGCTCTATGAACACATCCATGATCTCAGCCTTTTCT
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ACCTACCAGTTCATTGCATCAGTGGCCCTTCATCGTTACTCATAGAAAAATTCAGATTCGAAGTATG
TCAAGAATGCATTTATTCTCAGGGTCCAAAATATAAATGGATTTGTGCTACAGAAATAGAGGATGATAA
GTTCTATGGCTGTCAGTACTTCGAAATGCAATCAAAGCAGTATGGAGAAG

ACGCGTACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC212507 representing NM_001077706
 Red=Cloning site Green=Tags(s)

MESFHTRFSAWTPFSNKSLSNRQLFQERVALISHWFDLWTNKQRQEFLLFAIFLRCTKSQLRVQDWFSERM
 QVAKVDFSTVLPRFISLYIFSFLSPKDLCAAQVSWPWKFLTEQDCLWMPKCVKFGWFLPYTPTDNEYGA
 WKRHYIACVSHLDWLTPREAAATYGTLINEPKTEDEELLERQREKCLRKRIWEKIALRKKELFKVRPPWWS
 GTCCSSVLKPRCQPRLSQTVRERVGLHEALEKQLVLTSLLETLPKRSNISGSHSYPLLKKKNWHGVHKND
 RSSYALRPHFMLISSRIPAYEMVMESVKAGVSVVYEHSVTLESLLYLIEKALDGQAQSIGIFSDGDSR
 EINLLQGYKIGVKNLLRPEVRDFWEKLSYVATEEEGGHVDFVPLGASEAGIEVLSQLSQTGTFTTAP
 TGIATGSYQHILSDWLSQWGKAPSSIFYCESKLQWSSFTDFLEETLKTVRKQLYPFFKELQKISGRM
 IGQFMFDTMGMTNILNNQDTAALADGLMELSKEDSERNVVEDNSWDTKSRLSKNDLNFEALINLERILQ
 KDSAEKRARVVRELLQSERKYVQILEIVRDVYVAPLKAALSSNRAILSAANIQIIFCDILQILSLNRQFL
 DNLRDRLQEWGPAHCVGEIVTKFGSQLNTYTNFFNNYPVILKTIKCREMIPAFRTFLKRHDKTIVTKML
 SLPELLLYPSRRFEEYLNLLYAVRLHTPAEHVDRGDLTTAIDQIKKYKGYIDQMKQNIITMKDHLSDIQRI
 IWGCPTLSEVNRYLIRVQDVAQLHCCDEEISFSLRLYEHIDLSLFLFNDALLVSSRGTSHTPPFERTSKT
 TYQFIASVALHRLLIENIPDSKYVKNAILQGPKYKWICATEIEDDKFLWLSVLRNAIKSSMEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8101_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

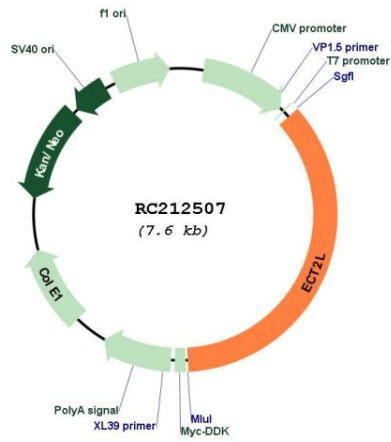


* The last codon before the Stop codon of the ORF

ACCN: NM_001077706

ORF Size:	2712 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_001077706.2 , NP_001071174.1
RefSeq Size:	4483 bp
RefSeq ORF:	2715 bp
Locus ID:	345930
UniProt ID:	Q008S8
Cytogenetics:	6q24.1
MW:	104.9 kDa
Gene Summary:	May act as a guanine nucleotide exchange factor (GEF).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC212507