

Product datasheet for **MR220542**

Ehd2 (NM_153068) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ehd2 (NM_153068) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ehd2
Synonyms:	BC027084; C130052H20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220542 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGTTTCAGCTGGCTGAAGAAGGGCGGGGCCCGGGCCAGCGACCTGAGGCCATCCGCACCGTGACCTCAT
 CCCTCAAGGAGCTGTATCGCACGAAACTTCTCCCTGGAGGAACACTACCGTTTTGGGTCTTCCATTC
 ACCGGCCCTTGAAGATGCTGACTTCGACGGCAAACCCATGGTGCTGGTGCCGGCCAGTATAGCACCGGC
 AAAACCAGCTTACCCAGTACCTTCTGGAGCAGGAAGTCCCTGGCTCCCGCGTGGGTCCCGAGCCACCA
 CCGACTGCTTCGTGGCTGTATGCATGGCGAGACAGAGGGCACCGTGCCCGAAATGCTCTCGTTGTGGA
 CCCAGAGAAGCCCTTCCGAAACTCAACCTTTTGGAAACACTTTTCTCAACAGGTTTATGTGCGCCAA
 CTCCCCAACAGGTCTGGAGAGCATCAGCATCATCGACACGCCTGGCATCTATCAGGTGCAAAACAGA
 GAGTGAGCCGTGGCTACGACTTCCAGCTGTCTGCGTGGTTTGTGAACGCGTGGACCTCATCATCTT
 GCTCTTTGATGCCACAAGCTGGAGATTTCCGATGAATCTCGGAGGCCATCGGTGCCTTGCCTGGCCAC
 GAGGATAAGATCCGCGTGGTACTCAACAAGGCAGACATGGTGGAGACACAGCAGCTGATGCGCGTCTACG
 GGGCGCTCATGTGGCGCTGGGCAAGGTGGTGGGCACGCCTGAGGTCCTTCGCGTCTACATTGGCTCCTT
 CTGGTCCCAGCCGCTCCTTGTGCCGACAACCGCGCTCTTTTCGAGCTGGAGAACAGGACCTCTTCCGT
 GATATCCAAGGCCTACCGCGCATGCGGCGCTGCGCAAGCTCAACGACCTAGTGAACCGGGCGCGGTGG
 TGCGGGTACACGCTTACATCATCAGCTACCTGAAGAAAGAGATGCCACGGTGTTCGGGAAGGAAACAA
 GAAGAAGCAGCTGATCCTGAAGTGCCTGTCACTTTGCGAAGATCCAGCTGGAGACCACATCTCCCCT
 GGAGACTTTCCTGACTGCCAGAAGATGCAGGAGCTGTTGATGGACATGACTTCAACCAAGTTCCTACTCG
 TAAAGCCGAAGCTGCTGGAGGCGCTAGATGACATGCTGGCCCAAGACATTGCCAAGCTTATGCCGCTGCT
 TCGGCAGGAGGAGCTGGAGAGTGTGAGGCTGGAGTGCAGGGCGGTGCGTTTGAGGGCACCCGCATGGGC
 CCCTTCGTGGAGCGGGCCCTGATGAAGCAATAGAGGATGGTGGAGAGGCTCAGAAGATGATGCCGAAT
 GGGTGGTGACCAAGGACAAGTCCAAATACGATGAAATCTTCTACAACCTAGTCTCTGCTGATGGCAAGCT
 GAGTGGCTCTAAGGCCAAAACCTGGATGGTGGGCACAAAGCTACCCAACCTCTGTGCTGGGAGAACTG
 AAGCTGAGCGATGTCGACCGAGACGGCATGCTGGATGATGAGGAGTTGCCTTGGCCAGCCACCTCATTG
 AGGCTAAGCTCGAAGGCCATGGTCTACCCACCAACCTACCCCGCCGCTGGTCCGCCTTCTAAGCGACG
 ACAGAAGGGCTCTGCTGAA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220542 protein sequence
 Red=Cloning site Green=Tags(s)

MFSWLKKGARGQRPEAIRTVTSSLKELYRKLPLEEHYRFGSFHSPALEDADFDGKPMVLVAGQYSTG
 KTSFIQYLLEQEVPGSRVGPPEPTTDCFVAVMHGETEGTVPGNALVVDPEKPFRKLNPFNGNTFLNRFMCAQ
 LPNQVLESISIIDTPGILSGAKQRVSRGYDFPAVLRWF AERVDLIILLFDAHKLEISDEFSEAIGALRGH
 EDKIRVVLNKAADMVETQQLMRVYGALMWALGKVVGTPEVLRVYIGSFWSQLLPDNRRLFELEEQLFR
 DIQGLPRHAALRKLNDLVKRARLVRVHAYIISYLKEMPTVFGKENKKQLILKLPVIFAKIQLEHHISP
 GDFPDCQKMQELLMAHDFTKFHSLKPKLLEALDDMLAQDIAKLMPLLRQEELSV EAGVQGGAFEGTRMG
 PFVERGPDEAIEDGEEGEDDAEWVVTKDKSKYDEIFYNLAPADGKLSGSKAKTWMVGTKLPNSVLGRIW
 KLSDVDRDGMLDDEEFALASHLIEAKLEGHGLPTNLPRRLVPPSKRRQKGS AE

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

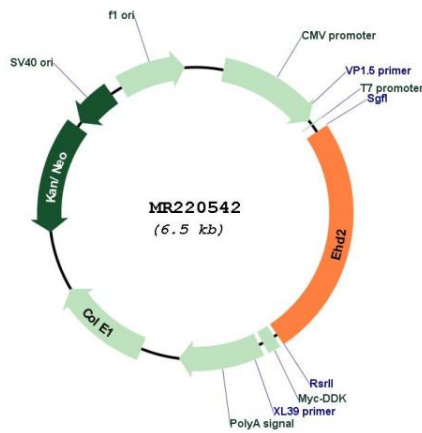
Sgfl-RsrII

Cytogenetics: 7 8.65 cM

MW: 61.2 kDa

Gene Summary: ATP- and membrane-binding protein that controls membrane reorganization/tubulation upon ATP hydrolysis (PubMed:24508342). Plays a role in membrane trafficking between the plasma membrane and endosomes. Important for the internalization of GLUT4 (PubMed:14676205). Required for fusion of myoblasts to skeletal muscle myotubes. Required for normal translocation of FER1L5 to the plasma membrane (PubMed:18502764, PubMed:21177873). Regulates the equilibrium between cell surface-associated and cell surface-dissociated caveolae by constraining caveolae at the cell membrane (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220542