

Product datasheet for MR218762

Hecw2 (NM_172655) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hecw2 (NM_172655) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hecw2
Synonyms:	A730039N16Rik; D030049F17Rik; Gm971; mKIAA1301; Nedl2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218762 representing NM_172655 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTAGCTCAGCCCGGAGCATTGCTTTTTGTGCGGCGTCGAAATCCACAGATGCGGTACACACTGA
GCCCAGAGAACCTCCAGAGCCTGGCAGCCAGAACTCAATGCCCGAGAACATGGCCCTACAGCGGCCAA
CAGTGACACGGATCTGGTGACTTCTGAGAGCCGCTCCAGCCTGACTGCCAGCATGTACGAATACAGCTG
GGCAAGCCAGAACCTCATTATCTTCTGGACATTAAGGAAGAGTTGACCCAGCGATTGGATAGGAC
TCTATCACATAGATGAGAATTCTCCAGCCAATCTGGGACTCTAAAAACAGGGGTGACTGGAACCCA
AAAAGGACAAATTGTATGGCAATTGAGCCTGGGCCCTACTTCATGGAACCGGAGATCAAAATCTGTTC
AAATACTACCATGGTATTAGTGGAGCCCTGCGAGCCACAACCCCTGTATTACCGTGAAGAACCCAGCTG
TGATGATGGGGCCGAAGGCATGGAAGGAGGTGCTTCAGGAAGCCTGCACTCTAGGAAACTCGTCAGCTT
CACATTGTCAGATCTCAGGGCAGTTGGGCTCAAGAAAGGGATGTTCTTCAATCCTGACCCTATCTTAAG
ATGTCCATTACAGCCAGGGAAGAAGAGCAGTTTTCTACCTGCGCCACCATGGGCAGGAGAGAAGTCCA
CTATCATCAGCAACACCACCAATCCGATCTGGCACAGAGAGAAATACTCCTTTTTGCACTTTTGACTGA
TGCTTAGAAATTGAAATCAAAGACAAATTTGCCAAGAGCCGCCATCATCAAACGCTTCTGGGGAAA
CTAACCATCCAGTGCAGAGGCTGCTGGAGCGGCAGGCTGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR218762 representing NM_172655
 Red=Cloning site Green=Tags(s)

MASSAREHLLFVRRRNPQMRYTLSPENLQSLAAQNSMPENMALQRANSDDLVTSESRSSLTASMYEYTL
 GQAQNLIIIFWDIKEEVDPSDWIGLYHIDENSPANFWSKNRGVTGTQKGQIVWRIEPGPYFMEPEIKICF
 KYHGISGALRATTPCITVKNPAVMGAEGMEGGASGSLHSRKLVSFTLSDLRAVGLKKGMMFFNPDPLYLK
 MSIQPGKKSSFPTCAHHGQERRSTIISNTTNPWIWHREKYSFFALLTDVLEIEIKDKFAKSRPIIKRFLGK
 LTIPVQRLLERQAG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9033_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172655

ORF Size: 882 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.

RefSeq: [NM_172655.3](#), [NP_766243.2](#)

RefSeq Size: 1132 bp

RefSeq ORF: 885 bp

Locus ID: 329152

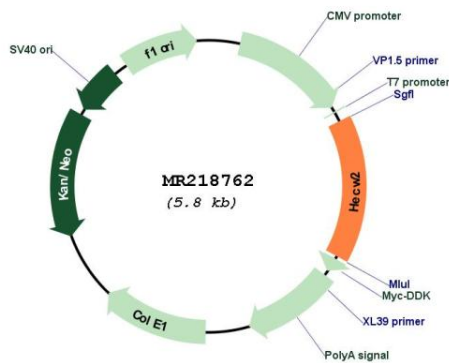
UniProt ID: [Q6I6G8](#)

Cytogenetics: 1 C1.1

MW: 33.7 kDa

Gene Summary: E3 ubiquitin-protein ligase that mediates ubiquitination of TP73. Acts to stabilize TP73 and enhance activation of transcription by TP73. Involved in the regulation of mitotic metaphase/anaphase transition.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218762