

Product datasheet for MR224491

Haus2 (NM_025475) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Haus2 (NM_025475) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Haus2 |
| Synonyms: | 1700101G24Rik; 2410007P03Rik; AU020217; Cep27 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR224491 representing NM_025475 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCGCCAACCCGTGGGACCCAGCGTCCTCGCAGACTGCAGCTGGGTTACTGCTAAACCACTTGG
TAGCTTCGGGCATAGTCACTAAGGAGATGTTAGATGTATCTAAGAAAATGGCTCCTTGCTTTGTGA
TTCCAGATTACAACAGATCTCAGATATCAAGCTGAAATCTACCAGAACAATCTGGAACCTTGA
AAGCTAGAAAAGGATACAGCAGATCTTATTCATCCTTCCCATTTGATTGAGAAATGTGATGTTCTG
GCATGAATAATCATCTGGAAGCAGTGCTAAAAGAGAAGCATGCCATCAGGCAAAGACTGCTGAGACCC
GTGCCAGGAGAACTTGCATTGGAAGCTGTTTATCACAGATATGTGGTACATATGTTGGATCTGGCTG
ACTTTCATTGAGAAATTTGAAACCCATCTTGAACAGTTAAAAATAGCCCTCATTGAGCGAAACCTAA
AGCAAATGAGCAAAGCTTTAGCCAAGATGGATATTTTGGTGAACAAGACAGAAGAACTGGCAGAGA
ACTCAAGTGGCGAGAAGCTACAAACAGAAATTTCCCTTGATATCCCCAAAATGCTAACTGAAGAAGCC
CTTCATGAACTTGACATAGTGCCTCCTTTACCTTTTTTCTAAGGCTCACACCGAAACCTCCAGGGCC
AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224491 representing NM_025475
Red=Cloning site Green=Tags(s)

MAAANPWDPASSQTAAGLLLNLHVASGIVTKEMLDVSKKMAPCFVNF SRLQQISDIQAEIYQNNLELELL
 KLEKDTADLIHPSHLIEKCDVLQSMNNHLEAVLKEKHAIRQRLLRPMCQENLPLEAVYHRYVVHMLDLAV
 TFIEKFETHLETVKNSPHLDANLKQMSKALAKMDILVNKTEELAENILKWRELQTEISLYIPKMLTEERH
 LHELDIVPPLPFFPKAHTETSRAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9059_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025475

ORF Size: 702 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_025475.3](#), [NP_079751.1](#)

RefSeq Size: 3170 bp

RefSeq ORF: 705 bp

Locus ID: 66296

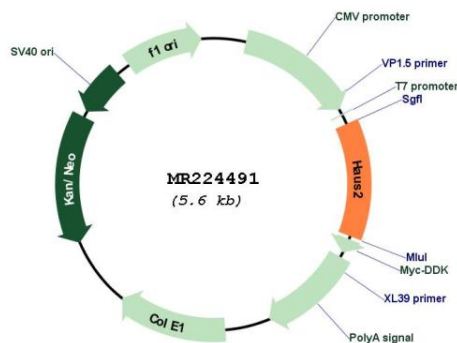
UniProt ID: [Q9CQS9](#)

Cytogenetics: 2 E5

MW: 26.8 kDa

Gene Summary: Contributes to mitotic spindle assembly, maintenance of centrosome integrity and completion of cytokinesis as part of the HAUS augmin-like complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224491