

Product datasheet for **MG205582**

Haus4 (NM_145462) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Haus4
Synonyms:	9430093H08Rik; AU016300; D14Ert500e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG205582 representing NM_145462
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTCTGGAGATTTCTGTGCACCTGGAGAAGGTGTAGAAATGCTGCTGCAAGTGTGCGTTAAGCAGT
TTCTCCGTGTGCCCTGACGGAAGAGGATCTCATACAGAATCCGCGTTTCAGCAAGCTGTTGCTCAGTCT
CTCCAGCAGCTGGATGAAAGTGGCTTGAGCCTCACGCTGGCAAGGAGCAGGCTCAGGCGTGGAGTGAA
GTTCCGCATCGTAAGACAGCATGGCTGAGGTATGAGATCTTACAGAGAGTTATCCAAGAGCTGCTCGTGG
ACTACTATGTGAAGGCCCAAGACACAAACCTAACCTCCGAAGACAAAAAGTTTCATGAGACCTTGAACA
GCGGCTGCTGGTAACTGAGCTGACGAGCTCTCAGGTCTGGGCGAGGAGACAGAGTTGCCCCGCTGCTA
GGTCTGGAGAGGACCGACCTTCTGGAGCTCATGCCACCCTCCAGGATTTCTGTGGATGAAAGCCCGGC
TCCAGCTGGAGGTGGAGGAGCAGCTCAAGAGGAAATGCTTCACGCTGCTGTGCTACCATGACCCAGTTC
AGATACTGATGGAGACACACTGAAAGCAGCGAAGGTGTGGACGCTGACAGAGGTCTGGTCAAGGAGAAG
CAGCACTGCCTGGAGGCCAAGAGCCAGCAGAAGGAGCAGCTGGTACTCCTGGAGAAGAAGAGGACCCT
ACTCCAGGTGCTGCTTCGCTGCCTCGCTTGTGTCAGAGGCTTCTTCAGGAGCACCAGGCTGCAGACCA
GTCCGAGCTAGACCGCATCAATGCCAGTACCTGGAGCTGAAGTGCAGTGCTATGATTCTTAGGTTGAGG
ATGGAGGAGCTGAAGGTCTTGTCTGACACTTACAACGCTGAGAAAGTGGAATGCATCGCCTCATCAGGG
ACCGTTTGGAGGGAGCCATCCGCTCCAAGAGCAGGACCTGGAGAAGTCAAGACTAGTCCTGCACACCTA
TGAGGCCCTGGGAGAAGACTTTGAGAGCTTGGTAAGGGAGTACACCAGCTCAGACTGGCAGCCGACAAC
AAGCGCTGGGCCCTCCAGGAGTTAAGCAAGGCTCAGCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG205582 representing NM_145462
Red=Cloning site Green=Tags(s)

MASGDFCAPGEGVEMLLQVCVKQFPPCALTEEDLIQNPFRSKLLLLSLSQHVDESGLSLTLAKEQAQAWSE
VRHRKTAWLRYEILQRVIQELLVDYYVKAQDTNLTSEDKKFHETLEQRLLVTELTQLSGPGQETELPPLL
GLERTDLLELMPPSQDFVWMKARLQLEVEEQLKRKCFLLCYHDPSSD TDGDTLKA AKVWTLTEVLVREK
QHCLEAKSQQKEQLVLLLEKKRTTYSQVLLRCLALLQRLLEHRLQTKSELDRINAQYLELKCSAMILRLR
MEELKVLSDTYNAEKVEMHRLIRDRLEGAIRLQEQDLEKSRLVLHTYEALGEDFESLVREYTLRLAADN
KRWALQELSKAQR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145462

ORF Size: 1089 bp

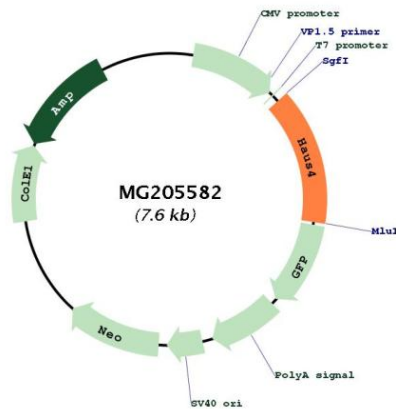
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_145462.1, NP_663437.1</u>
RefSeq Size:	1639 bp
RefSeq ORF:	1092 bp
Locus ID:	219072
UniProt ID:	<u>Q8BFT2</u>
Cytogenetics:	14 27.83 cM
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 MG205582