

Product datasheet for **RG216211**

WHAMM (NM_001080435) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WHAMM (NM_001080435) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WHAMM
Synonyms:	WHAMM1; WHDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG216211 representing NM_001080435
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGGACGAGCAGCCTGACAGCCTGGAGGGCTGGTGCCGGTCCGGGAGGGCCTCTTCGCCGAGCCCG
 AGAGGCACCGGCTGCGCTTCCTGGTGGCCTGGAACGGCGCGGAGGCAAGTTCGCTGTGACTTGTCACGA
 CCGTACCGCGCAGCAGCGCGGCTGCGCGAGGGGCCCGGTTGGGGCCGAGCCCGAGCCCAAGCCTGAG
 GCCGCCGTCTCCCGTCCAGCTGGGCGGCCTGCTCTCGCCGCGGGGCTCCGCGCGCGCACCGGCAGT
 TGGCGGCGCTGTGGCGCCTCTGGAGCGCTGTTCCCGCGGCTGCCGCCGAGCTGGACGTGGGCGGCGG
 CGGGCCCTGGGGTCTGGGGCTCGGGCTGTGGCGCTGCTGTGGCCGACGCGCGCGGTCCCGCGAGGCG
 GCGCTGCAGGAGCTGTGCGGCAGCTGGAACGCTATCTGGGCGCGCGGCCGACGGCTGCGGCGGCGCCA
 CAGTGCAGCAGCACTCTCCCGGCTGAGGGCGCGCGGCCGACTGCGAAAGCCCGCGAGTTCGGGA
 GCGGGCCTTGCGCGCGGTGGGTGAGGCGGACGCGCGCTGCGCCAGTTATTCAAGGACACGAAAAA
 GCCAACACCATGGTAGCATTAAATGAACGTTTACCAAGAGGAAGATGAAGCATACCAAGGAATTGGTTACCG
 TGGCAACCATGTTCTTCCAGTACTTATTGCAGCCATTTAGGGCTATGCGAGAAGTTGCAACTTTATGTAA
 GCTTGATATTTTGAAGTCTTTGGATGAGGATGACCTAGGTCTAGAGGGTAGTTGCCCTGGAGAAAGAA
 GCTGAAGAATGGACCAGACGGGCTGAAGAAGCTGTCGTCTCTATTCAGGATATCAGAGTAATTATTTTA
 AGGAGACAGTAAAAGCATTAGCAGGAATGCAGAAAGAAATGGAACAGGATGCGAAGAGATTTGGTCAGGC
 TGCTGGGCCACAGCAATTCCCAGGTTGAAAAAAGCTTCACTAATGCTAGCTCGAGAGACTCTGCAACTC
 ATGAGAGCGAAAGAGTTGTGTTAAATCAGAAAGAGCTGAAATTCAGGGAAAGATGGAAGATCTTCCAG
 AACAAGAAAAAATACAAATGTTGTAGATGAATTAGAAATACAATTTTATGAAATTCAATTAGAATA
 TGAAGTTAAATTTGAGATATTAAAAAACGAAGAAATACTGCTTACTACACAGTTGGACTCTCTTAAAGA
 CTTATAAAAGAAAAACAAGATGAAGTTGTCTATTACGATCCATGTGAAAAATCCAGAGGAAGTTAAAGTCA
 TTGACTGTGTGGTGGGCTGCAGGATGATAAGAAATTTGGAAGTGAAGAACTCAGAAGGCAGTGCCAGCA
 GCTGGAGTCTAACGGGGCAGGATCTGTGCAAAAGAGCCTCTCTCCGAGTAGAAAGGATCAGTGCAAA
 GAAATCATCGGTTGAGATTGCAACAGGCTGAAGAAAGCATAAGATACTCTGTCAGCATCACAGTATTC
 AGATGAAAAGAGACAAGATAAAGAAAGAGGAGCAAAAGAAAAAAGAAATGGATCAACCAAGAACGTCAAAA
 AACACTCCAACGATTGAGATCATTTAAAGATAAACGCCTAGCTCAATCTGTCCGAAACACCTCTGGCTCA
 GAACCTGTGGCTCCAAACCTGCCAAGTGATCTTTCCAGCAGATGTGCTTGCCAGCTTCCACGCGGTGT
 CAGTAATTCACCCGTCTCTAGGAAAACTAGAGGTGTTCCCTATCGGAAGCTGGTAATGTGAAAAGCCC
 CAAGTGTCAAAAGTGTATGAAATATCCCTGTCCAGGTTTTTGTTCAGTTGGTGATCAAAACATTCC
 AAATCCAGTGAGGAATTGTCACTGCCACCACCTCTCTCTCCACCACCACCACCGCCGCCACCGCCGC
 CCCACCCCTCTCTCCGTGCTCTGTCTCATCTCTCAAGTGCAACTCATCAGAACTTAGGCTTCGG
 GGCTCCAGTGAAAGATGACCAGCCACGTCCTCTAGTGCGAATCACCTGCTGAGCGACCACGTGACTCC
 TTGGAAAGTTTTTATGTCCAGGATCTATGGATGAAGTGTGGCCTCCTTAAGGCATGGCAGAGCTCCTC
 TCCGGAAGGTGGAAGTGGCGCGGTGCGCCCTCCACGCCTCAATCAATGAGCACATTTGGCTGCCAT
 AAGGCAAGGGGTCAAATGAAGAAAGTTACCCCTGATCTTGGCCAAACCCAGCAGCAAAACCAACCAGC
 AACAGACGCACCAAGTGACCTTGAGAGGAGCATCAAGGCTGCGCTCCAGAGAATCAAGAGGTGTCTGCTG
 ACTCTGAGGAGGACAGTGATGAGCAGGACCCTGGCCAGTGGGATGGT

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG216211 representing NM_001080435
 Red=Cloning site Green=Tags(s)

```
MEDEQPDLSLEGWVPVREGLFAEPERHRLRFLVAWNGAEGKFAVTCHDRTAQQRRLREGARLGPEPEPKPE
AAVSPSSWAGLLSAAGLRGAHRQLAALWPPLERCFPRLPPELDVGGGGAWGLGLGLWALLWPTRAGPGEA
ALQELCGQLERYLGAAADGCGGATVRDALFPAEGGAADCESPREFRERALARWVEADARLRQVIQGHGK
ANTMVALMNYYQEEDAYQELVTVATMFFQYLLQPFAMREVATLCKLDILKSLDEDDLGP RR VVALEKE
AEEWTRRAEEAVVSIQDITVNYFKETVKALAGMQKEME QDAKRFQAAWATAIPRLEKLQMLARETLQL
MRAKELCLNHKRAEIQGKMEDLPEQEKNTNVVDELEIQFYEIQLELYEVKFEILKNEEILLTTQLDSLKR
LIKEKQDEVVYDPCENPEELKVIDCVVGLQDDKNLEVKELERRQCQQLSKRGRICAKRASLSRKDQCK
ENHRFRLQQAEEISIRYSRQHHSIQMKRDKIEEEEQKKKEWINQERQKTLQRLRSFKDKRLAQSVRNTSGS
EPVAPNLPSDL SQMCLPASHAVSVIHPSSRKTRGVPLSEAGNVKSPKCQNCNHNIPVQVFVPVGDQTHS
KSSEELSLPPPPPPPPPPPPPPPPPPPLRALSSSSQAATHQNLGFRAPVKDDQPRPLVCESPAERPRDS
LESFSCPGSMDEVLASLRHGRAPLRKVEVPAVRPPHASEINEHILAAIRQGVKLVKVPDLGPNPSSKPTS
NRRTSDLERSIKAALQRIKRVSADEEDSDEQDPGQWDG
```

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001080435
ORF Size:	2427 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_001080435.3](#)

RefSeq Size: 4261 bp

RefSeq ORF: 2430 bp

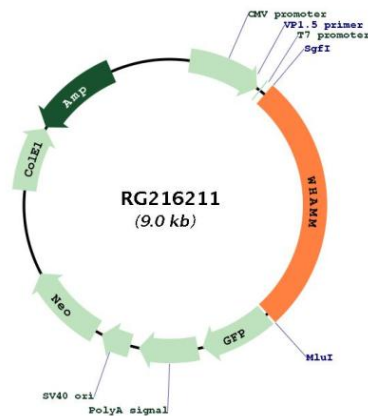
Locus ID: 123720

UniProt ID: [Q8TF30](#)

Cytogenetics: 15q25.2

Gene Summary: This gene encodes a protein that plays a role in actin nucleation, Golgi membrane association and microtubule binding. The encoded protein is a nucleation-promoting factor that regulates the Actin-related protein 2/3 complex. The activated complex initiates growth of new actin filaments by binding to existing actin filaments. The encoded protein also functions in regulation of transport from the endoplasmic reticulum to the Golgi complex and in maintenance of the Golgi complex near the centrosome. Four pseudogenes of this gene are present on the same arm of chromosome 15 as this gene. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG216211