

Product datasheet for **RG206329**

MAGEB18 (NM_173699) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MAGEB18
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206329 representing NM_173699
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCTCGAGGTCAGAAGAGTAAGCTCCGTGCCGTGAGAAACGCCACCAGGCTCGTTGTGAGAATCAGG
ATCTGGGAGCTACGCAGGCCACTGTGGCAGAAGGAGAGTCAACCTCCTCTGCCTATCTTCTTTGGTGA
CAGACCCAGAAATTTGCCTGCTGCTGAGACACCTAGCATCCCTGAAGCGCTTCAGGGAGCCCATCCACC
ACCAATGCTATTGCACCTGTTTCATGCAGTTCAAATGAAGGTGCCAGCAGCCAAGATGAGAAAAGCTAG
GTTCTCAAGGGAAGCTGAGGGCTGGAAAGAAGATCCTTTAAACAAGAAAGTAGTGTCGCTGGTGCAATTT
CTTGCTTCAGAAGTATGAAACGAAAGAGCCAATTACAAAGGGAGATATGATAAAGTTTGTATCAGGAAG
GATAAGTGTCACTTCAATGAGATCCTCAAGAGAGCCTCTGAGCACATGGAGCTGGCACTTGGTGTTGATT
TGAAGGAAGTGGATCCCATCAGGCACTACTATGCCTTTTTCAGCAAATTAGACCTCACCTATGATGAAAC
AACCAGTGATGAAGAAAAAATCCCAAGACTGGCCTCCTGATGATTGCACTGGGTGTATCTTTCTGAAT
GGCAACCGTGCCCGAGAAGAGGCAGTCTGGGAAATTATGAATATGATGGGTGTATATGCTGATAGGAAGC
ACTTCCTCTATGGGGATCCCGAAGAGTCAATGACCAAAGATTTGGTGCACTAAAGTACCTGGAGTACCA
GCAAGTGCCCAACAGTGATCCTCCACGCTATGAATTCCTGTGGGTCCAAGAGCTCACGCTGAACTAGC
AAGATGAAAGTCTGGAGTTTGTAGCCAAGATACATGATACCGTCCCTAGTGCCTTCCCATCCTGCTATG
AAGAGGCTTTGAGGGATGAGGAACAGAGAACCAAGCCAGAGCTGCAGCCAGGGCTCATACTGCTGCCAT
GGCAAATGCAGTTCCAGAACCAGTCTAGCAGCTTCTCCCATGCTAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG206329 representing NM_173699
Red=Cloning site Green=Tags(s)

MPRGQKSKLRAREKRHQARCENQDLGATQATVAEGESPSSAYLLFGDRPQNLPAAETPSIPEALQGAPST
TNAIAPVSCSSNEGASSQDEKSLGSSREAEGWKEDPLNKKVYSLVHFLQKYETKEPITKGDMIKFVIRK
DKCHFNEILKRASEHMELALGVDLKEVDPIRHYAFAFFSKLDLTDETTSDDEKIPKTGLLMIALGVIPLN
GNRAPEEAVWEIMNMGVYADRKHFYGDPRKVMKDLVQLKYLEYQQVPNSDPPRYEFLWGPRHAETS
KMKVLEFVAKIHDTPVSAFPSCYEEALRDEEQRTQARAAARAHTAAMANARSRTTSSSF SHAK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173699

ORF Size: 1029 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: [NM_173699.2](#)

RefSeq Size: 1827 bp

RefSeq ORF: 1032 bp

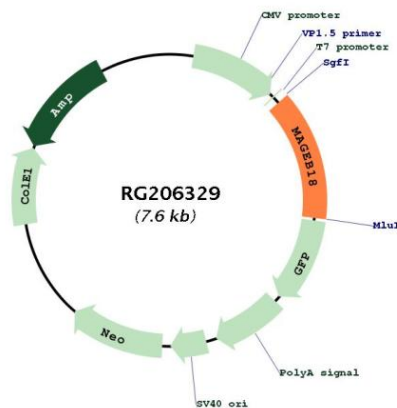
Locus ID: 286514

UniProt ID: [Q96M61](#)

Cytogenetics: Xp21.3

Gene Summary: May enhance ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206329