

Product datasheet for **MG208065**

Ubap1 (BC065996) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubap1 (BC065996) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ubap1
Synonyms:	NAG20, Ubap
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208065 representing BC065996
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCTAAGAAGTTGGGGACAGATGTTTCATGGGACTTTCAGTTACCTTGACGATGTCCATTTAAGA
 TAGGAGACAAATTCAAAACACCAGCGAAAAGTGGGTCTGCCTATTGGCTTCTCCTTGCCCTGACTGCTTACA
 GTTTGTACAGAGATGCAGTATGACTTCTCCTTGAAAAAGAAAACCATTGAGTGGGCTGAAGATATTA
 CTAATCCAAGAAGCTCAGCGGAAGCAGAGCGGAAGGCCGAGGAAGCAGAAGCTAAAGTGAATCCAAGA
 GTGGTCCAGAGGGTGACAGCAAAGTGAAGTCTCCCAAGACTCACAATACAGCCACAATGCCACCTCTAT
 TAACCCCATCCTTGCCAGCTTACAGCACAACAACATCCTCACTCCAACCTCGGGTCAGCAGTAGTGCCACA
 AAGCAGAAAGTTCTCAGCCACCCACACAAAGGCAGACTTCAATCCTGCTGACTTCGAGTGTGAAGAGG
 ACCCATTTGATAATCTGGAGTAAAAACCATTGATGAGAAGGAAGAGCTGAGAAACATTCTGGTAGAAC
 CACTGGACCCATAATGGCTCAGTTACTGGACAGTAACACAGCCCGGGGAAGCTCGGGGGCTGTGTTACAG
 GATGAGGAGGTTTGGCATCCTTGAGCAGGCAACCTTAGACTTCAAGCCTTTCATAAAACCAATGGCT
 TTATAACCTTACCACAGTTGGGCAACTGTGAAAAGATGTCGCTGTCTTCCAAAGTGTCCCTCCCCCTAT
 TCCTACAGTAAGCAATATCAAATCTCTCTCCTTCCCAAACTTGACTCTGATGACAGCAATCAGAAGACA
 GTCAAGCTTGGCAGCACTTTCCATAGCAGTCTGCTCCGAAAGTGGCGCATCCCGGAGTCTCCTAAAGC
 CTTCCACCCAAAGCAGTGCCAGTGAAGTCAATGGGGACCACACTTTGGGCTTTCAGCTTTGAAGTGA
 CAGTGGCAGAGGTGCCAACACTGACATCCTCCAGATGCTTCCCTGTCTAGCGTGTCTGTGTGACAG
 GAAGAATCATCACCTCCAGATCCATGTCACAGTAACCCCTCTAAATTTCTCAGTGTACAAGTGCCCA
 ACATGCCCTAGTGTCCCGAGCCTATTTGGAAGTGCAGGCACTGTCTCCGAGTGAAGCGGCAATGTGTA
 GACAGTAGTCAACATGGGCTACTCATATGATTGTGTCCTGAGAGCCATGAGAAAGAAAGGAGAGAATATT
 GAGCAGATTCTCGACTATCTCTTTCACACGACAGCTTTGTGAGAAGGGTTTTGACCCTTTTTAGTGG
 AAGAGGCTCTGGAAATGCACCAGTGTTCAGAAGAAAAGATGATGGAGTTTCTCAGTTAATGAGCAAATT
 TAAGGAAATGGGCTTTGAACTGAAAGACATTAAGGAAGTTTGTCTATTACACAACAATGACCAGGACAAT
 GCTCTGGAAGACCTCATGGCCCGGCTGGAGCCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208065 representing BC065996
 Red=Cloning site Green=Tags(s)

MASKKLGTDVHGTFSYLDVDPFKIGDKFKTPAKVGLPIGFSLPDCLQVREMZYDFSLKKTIEWAEDIK
 LIQEAQREAERKAEAEAKVNSKSGPEGDSKVSFPKTHNTATMPPPINPILASLQHNNILTPTRVSSAT
 KQKVLSPPHTKADFNPADEFCEEDPFDNLELKTIDEKEELRNILVGTGPIMAQLLDSNTARGSSGAVLQ
 DEEVLASLEQATLDFKPLHKPNGFITLPQLGNCEKMSLSKVSLPPIPTVSNIKLSLSPKLDSDSNQKT
 VKLASTFHSTSCLRSGASRSLKLPSTQSSASELNGDHTLGLSALNLSNGTEVPTLTSSQMPSLSSVSCT
 EESSPPDPCPTVPLNFSVSQVPNMPSCPQAYLELQALSPSERQCVETVVNMGYSYDCVLRAMRKKGENI
 EQILDYLF AHGQLCEKGFDPDLLVEEALEMHQCSSEKMMFLQLMSKFKEMGFELKDIKEVLLLHNNDQDN
 ALEDLMARAGAS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC065996

ORF Size: 1508 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: [BC065996](#), [AAH65996](#)

RefSeq Size: 2664 bp

RefSeq ORF: 1508 bp

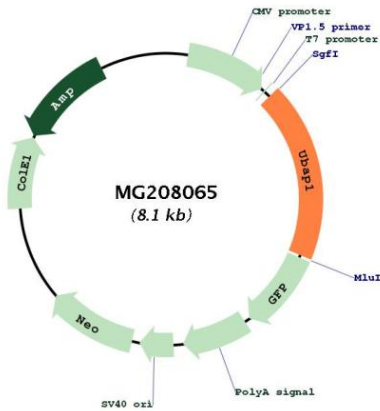
Locus ID: 67123

Cytogenetics: 4 A5

Gene Summary:

Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Binds to ubiquitinated cargo proteins and is required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies (MVBs). Plays a role in the proteasomal degradation of ubiquitinated cell-surface proteins, such as EGFR and BST2 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208065