

## Product datasheet for **MR208065**

### Ubap1 (NM\_023305) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ubap1 (NM_023305) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ubap1
Synonyms:	2700092A01Rik; NAG20; Ubap; UBAP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208065 representing NM\_023305  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTTCTAAGAAGTTGGGACAGATGTTTCATGGGACTTTCAGTTACCTTGACGATGTCCATTTAAGA  
 TAGGAGACAAATTCAAAACACCAGCGAAAGTGGGTCTGCCTATTGGCTTCTCCTTGCCCTGACTGCTTACA  
 GGTTGTACAGAGAGATGCAGTATGACTTCTCCTTGAAAAAGAAAACCATTGAGTGGGCTGAAGATATTA  
 CTAATCCAAGAAGCTCAGCGGAAGCAGAGCGGAAGGCCGAGGAAGCAGAAGCTAAAGTGAATCCAAGA  
 GTGGTCCAGAGGGTGACAGCAAAGTGAAGTCTCCCAAGACTCACAATACAGCCACAATGCCACCTCTAT  
 TAACCCCATCCTTGCCAGCTTACAGCACAACAACATCCTCACTCCAACCTCGGGTCAAGTGTGCCACA  
 AAGCAGAAAGTTCTCAGCCACCCACACAAGGCAGACTTCAATCCTGCTGACTTCGAGTGTGAAGAGG  
 ACCCATTTGATAATCTGGAGTAAAAACCATTGATGAGAAGGAAGAGCTGAGAAACATTCTGGTAGAAC  
 CACTGGACCCATAATGGCTCAGTTACTGGACAGTAACACAGCCCGGGGAAGCTCGGGGGCTGTGTTACAG  
 GATGAGGAGGCTTGGCATCCTTGGAGCAGGCAACCTTAGACTTCAAGCCTTTCATAAAACCAATGGCT  
 TTATAACCTTACCACAGTTGGGCAACTGTGAAAAGATGTCGCTGTCTTCCAAAGTGTCCCTCCCCCTAT  
 TCCTACAGTAAGCAATATCAAATCTCTCTCCTTCCCAAACTTGACTCTGATGACAGCAATCAGAAGACA  
 GTCAAGCTTGGCAGCACTTTCCATAGCAGTCTGCTCCGAAAGTGGCGCATCCCGGAGTCTCCTAAAGC  
 CTTCCACCCAAAGCAGTCCAGTGAAGTCAATGGGACCACACTTTGGGCTTTCAGCTTTGAAGTTGAA  
 CAGTGGCAGAGGTGCCAACTGACATCCTCCAGATGCTTCCCTGTCTAGCGTGTCTGTGTGACAG  
 GAAGAATCATCACCTCCAGATCCATGTCACAGTAACCCCTCTAAATTTCTCAGTGTACAAGTGCCCA  
 ACATGCCTAGTGTCCCGAGCCTATTTGGAAGTGCAGGCACTGTCTCGAGTGAAGGCAATGTGTAGA  
 GACAGTAGTCAACATGGGCTACTCATATGATTGTCTGAGAGCCATGAGAAAGAAAGGAGAGAATATT  
 GAGCAGATTCTCGACTATCTCTTGCACACGGACAGCTTTGTGAGAAGGGTTTTGACCCTTTTTAGTGG  
 AAGAGGCTCTGGAAATGCACCAGTGTTCAGAAGAAAAGATGATGGAGTTTCTCAGTTAATGAGCAAAT  
 TAAGGAAATGGGCTTTGAACTGAAAGACATTAAGGAAGTTTGTCTATTACACAACATGACCAGGACAAT  
 GCTCTGGAAGACCTCATGGCCCGGCTGGAGCCAGC

**ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>MR208065 representing NM\_023305  
 Red=Cloning site Green=Tags(s)

MASKKLGTDVHGTF SYLDDVPFKIGDKFKTPAKVGLPIGFSLPDCLQVREMQYDF SLEKKTIEWAEDIK  
 LIQEAQREAERKAEEAEAKVNSKSGPEGDSKVSFPKTHNTATMPPPINILASLQHNNIL TPTRVSSAT  
 KQKVLSPHTKADFNPADEFCEEDPFDNLELKTIDEKEELRNILVGTGPIMAQLLDSNTARGSSGAVLQ  
 DEEVLASLEQATLDFKPLHKPNGFITLPQLGNCEKMSLSSKVSLLPPIPTVSNIKSLSFPKLDSDSNQKT  
 VKLASTFHSTSCLRSGASRSLKLPSTQSSASELNGDHTLGLSALNLSGTEVPTLTSSQMPSLSSVSCT  
 EESSPPDPCTVPLNFSVSQVPNMPSCPQAYLELQALSPSERQCVETVVMGYSYDCVLRAMRKKGENI  
 EQILDYLF AHGQLCEKGFDP LLVEEALEMHCSEKMMEFLLMSKFKEMGFELKDIKEVLLLHNNQDN  
 ALEDLMARAGAS

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9059\\_f08.zip](https://cdn.origene.com/chromatograms/mm9059_f08.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_023305

**ORF Size:** 1506 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\\_023305.3](#), [NP\\_075794.3](#)

**RefSeq Size:** 2716 bp

**RefSeq ORF:** 1509 bp

**Locus ID:** 67123

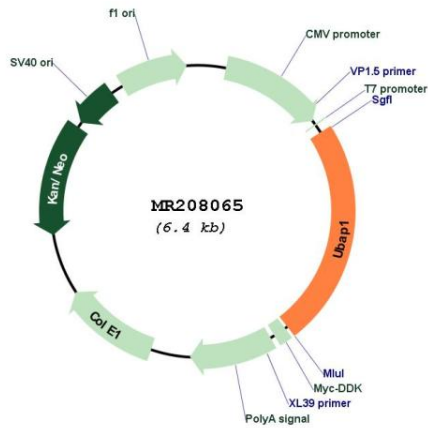
**UniProt ID:** [Q8BH48](#)

**Cytogenetics:** 4 A5

**MW:** 55 kDa

**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 MR208065