

Product datasheet for **MR229935**

Ubap1 (NM_001290454) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubap1 (NM_001290454) 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:

>MR229935 representing NM_001290454
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCTAAGAAGTTGGGGACAGATGTTTCATGGGACTTTCAGTTACCTTGACGATGTCCATTTAAGA
 TAGGAGACAAATTCAAAACACCAGCGAAAGTGGGTCTGCCTATTGGCTTCTCCTTGCCCTGACTGCTTACA
 GGTGTGACAGAGATGCAGTATGACTTCTCCTTGAAAAAGAAAACCATTGAGTGGGCTGAAGATATTA
 CTAATCCAAGAAGCTCAGCGGAAGCAGAGCGGAAGGCCGAGGAAGCAGAAGCTAAAGTGAATCCAAGA
 GTGGTCCAGAGGGTGACAGCAAAGTGAAGTCTCCCAAGACTCACAATACAGCCACAATGCCACCTCTAT
 TAACCCCATCCTTGCCAGCTTACAGCACAACAACATCCTCACTCCAACCTCGGGTCAGCAGTAGTCCACA
 AAGCAGAAAGTCTCAGCCACCCACACAAAGGCAGACTTCAATCCTGCTGACTTCGAGTGTGAAGAGG
 ACCCATTTGATAATCTGGAGTAAAAACCATTGATGAGAAGGAAGAGCTGAGAAACATTCTGGTAGAAC
 CACTGGACCCATAATGGCTCAGTTACTGGACAGTAACACAGCCCGGGGAAGCTCGGGGGCTGTGTTACAG
 GATGAGGAGGTCTTGGCATCCTTGGAGCAGGCAACCTTAGACTTCAAGCCTTTCATAAAACCAATGGCT
 TTATAACCTTACCACAGTTGGGCAACTGTGAAAAGATGTCGCTGTCTTCCAAAGTGTCCCTCCCCCTAT
 TCCTACAGTAAGCAATATCAAATCTCTCTCCTTCCCAAACTTGACTCTGATGACAGCAATCAGAAGACA
 GTCAAGCTTGGCAGCACTTTCATAGCACATCTGCTCCGAAGTGGCGCATCCCGGAGTCTCCTAAAGC
 CTTCCACCCAAAGCAGTGCCAGTGAAGTCAATGGGGACCACACTTTGGGCTTTCAGCTTTGAACCTTGA
 CAGTGGCAGAGGTGCCAACTGACATCCTCCAGATGCTTCCCTGTCTAGCGTGTCTGTGTGTACA
 GAAGAATCATCACCTCCAGATCCATGTCCACAATTCTCGACTATCTCTTGCACACGGACAGCTTTGTG
 AGAAGGGTTTTGACCCTTTTTAGTGGAAAGGGCTCTGGAAATGCACCAGTGTTCAGAAGAAAAGATGAT
 GGAGTTTCTCAGTTAATGAGCAAATTTAAGGAAATGGGCTTTGAACTGAAAGACATTAAGGAAGTTTTG
 CTATTACACAACATGACCAGGACAATGCTCTGGAAGACCTCATGGCCCGGGCTGGAGCCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229935 representing NM_001290454
 Red=Cloning site Green=Tags(s)

MASKKLGTDVHGTFSYLDVDPFKIGDKFKTPAKVGLPIGFLPDCLQVVREMQYDFSLEKKTIEWAEDIK
 LIQEAQREAERKAEAEAKVNSKSGPEGDSKVSFPKTHNTATMPPPINPILASLQHNNILTPTRVSSAT
 KQKVLSPHKTADFNPADFECEEDPFDNLELKTIDEKEELRNILVGTTGPIMAQLLDSNTARGSSGAVLQ
 DEEVLASLEQATLDFKPLHKPNGFITLPQLGNCEKMSLSSKVSLLPIPTVSNIKLSLSPKLDSDSNQKT
 VKLASTFHSTSLRSGASRSLKLPSTQSSASELNGDHTLGLSALNLNSGTEVPRTLSSQMPSSLSSVSVCT
 EESSPPDPCPTILDYLF AHGQLCEKGFDP LLLVEEAL EMHQCS EEEKMMEFLQLMSKFKEMGFELKDIKEVL
 LLHNDQD NAL EDLMARAGAS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001290454

ORF Size: 1323 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_001290454.1](#), [NP_001277383.1](#)
RefSeq Size: 2533 bp

RefSeq ORF: 1326 bp

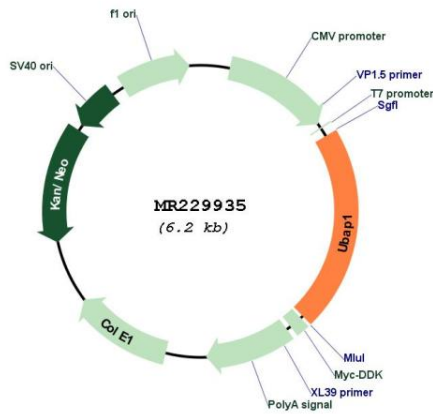
Locus ID: 67123

UniProt ID: [Q8BH48](#)
Cytogenetics: 4 A5

MW: 48.6 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 MR229935