

Product datasheet for **RG201858**

UBAP1 (NM_016525) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBAP1 (NM_016525) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBAP1
Synonyms:	NAG20; SPG80; UAP; UBAP; UBAP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG201858 representing NM_016525
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCTTCTAAGAAGTTGGGTGCAGATTTTCATGGGACTTTCAGTTACCTTGATGATGTCCATTTAAGA
 CAGGAGACAAATTCAAAACACCAGCTAAAGTTGGTCTACCTATTGGCTTCTCCTTGCCTGATTGTTTGCA
 GGTGTGCAGAGAAGTACAGTATGACTTCTCTTTGGAAAAGAAAACCATTGAGTGGGCTGAAGAGATTAAAG
 AAAATCGAAGAAGCCGAGCGGGAAGCAGAGTGCAAAATTGCGGAAGCAGAAGCTAAAGTGAATTCTAAGA
 GTGGCCAGAGGGCGATAGCAAAATGAGCTTCTCCAAGACTCACAGTACAGCCACAATGCCACCTCTAT
 TAACCCCATCTCGCCAGCTTGCAGCACAACAGCATCCTCACACCAACTCGGGTCAGCAGTAGTGCCACG
 AAACAGAAAGTTCTCAGCCACCTCACATAAAGGCGGATTTCAATCTTGCTGACTTTGAGTGTGAAGAAG
 ACCCATTTGATAATCTGGAGTAAAAACTATTGATGAGAAGGAAGAGCTGAGAAATATTCTGGTAGGAAC
 CACTGGACCCATTATGGCTCAGTTATTGGACAATAACTTGCCAGGGGAGGCTCTGGGTCTGTGTTACAG
 GATGAGGAGGTCCTGGCATCCTTGAACGGGCAACCCTAGATTTCAAGCCTCTTCATAAACCCAATGGCT
 TTATAACCTTACCACAGTTGGGCAACTGTGAAAAGATGCACTGTCTTCCAAAGTGTCCCTCCCCCTAT
 ACCTGCAGTAAGCAATATCAATCCCTGTCTTTCCCAAACTTGACTCTGATGACAGCAATCAGAAGACA
 GCCAAGCTGGCGAGCACTTTCCATAGCACATCCTGCCTCCGCAATGGCACGTTCCAGAATTCCTAAAGC
 CTTCCACCCAAAGCAGTGCCAGTGAGCTCAATGGGCATCACACTTTGGGCTTTTCACTTTGAAGTTGGA
 CAGTGGCAGAGATGCCAGCCCTGACATCCTCCAGATGCCTTCCCTCTCTGTTTGTCTGTGTGCACA
 GAGGAATCATCACCTCCAAATACTGGTCCCACGGTCACCCCTCCTAATTTCTCAGTGTACAAGTGCCCA
 ACATGCCAGCTGTCCCAGGCCATTCTGAAGTGCAGATGCTGTCCCCAGCGAGCGGAGTGTGTGGA
 GACGGTGGTCAACATGGGCTACTCGTACGAGTGTGTCTCAGAGCCATGAAGAAGAAAGGAGAGAATATT
 GAGCAGATTCTCGACTATCTCTTGCACATGGACAGCTTTGTGAGAAGGGCTTCGACCCTTTTTAGTGG
 AAGAGGCTCTGGAATGCACAGTGTTGAGAAGAAAAGATGATGGAGTTTCTTCAGTTAATGAGCAAATT
 TAAGGAGATGGGCTTTGAGCTGAAAGACATTAAGGAAGTTTGTATTACACAACAATGACCAGGACAAT
 GCTTTGGAAGACCTCATGGCTCGGGCAGGAGCCAGC

ACGCGTACGCGGCGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

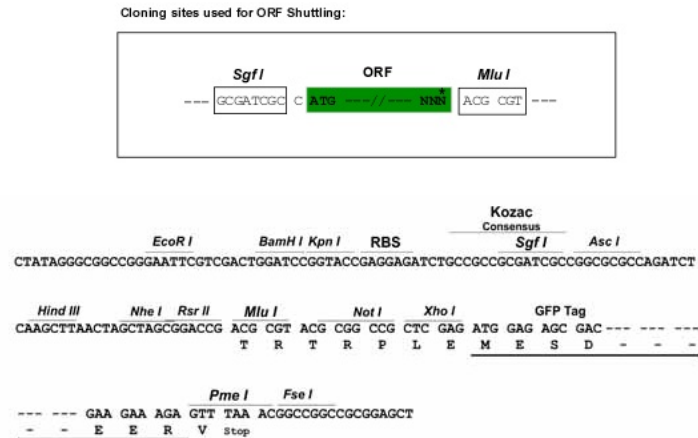
>RG201858 representing NM_016525
 Red=Cloning site Green=Tags(s)

MASKKLGADFHGTF SYLDDVPFKTGDKFKTPAKVGLPIGFSLPDCLQVVREVQYDFSLEKKTIEWAEEIK
 KIEEAEREAECKIAEAEAKVNSKSGPEGDSKMSFSKTHSTATMPPPINPILASLQHNSILTPTRVSSAT
 KQKVLSPPHIKADFNLDFFECEEDPFDNLELKTIDEKEELRNILVGTGPIMAQLLDNNLPRGSGSVLQ
 DEEVLASLERATLDFKPLHKPNGFITLPQLGNCEKMSLSKVSLPPIPAVSNIKLSFPKLDSDDSNQKT
 AKLASTFHSTSCLRNGTFQNSLKPSTQSSASELNGHHTLGLSALNLDSGTEMPALTSSQMPSLSVLSVCT
 EESSPPNTGPTVTPPNFVSQVPNMSPCPQAYSELQMLSPSERQCVETVVNMGYSYECVLRAMKKKGENI
 EQILDYLFAGHQLCEKGFDP LLVEEALEMHQCSEKMMEFLLMSKFKEMGFELKDIKEVLLHNNNDQDN
 ALEDLMARAGAS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_016525

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_016525.5](#)

RefSeq Size: 2757 bp

RefSeq ORF: 1509 bp

Locus ID: 51271

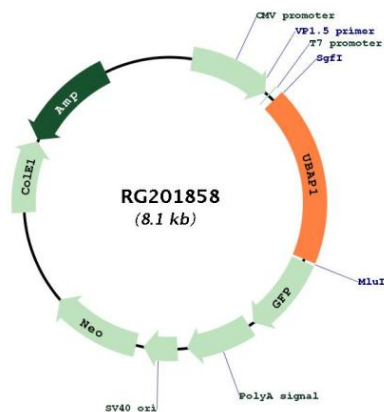
UniProt ID: [Q9NZ09](#)

Cytogenetics: 9p13.3

Domains: UBA

Gene Summary: This gene is a member of the UBA domain family, whose members include proteins having connections to ubiquitin and the ubiquitination pathway. The ubiquitin associated domain is thought to be a non-covalent ubiquitin binding domain consisting of a compact three helix bundle. This particular protein originates from a gene locus in a refined region on chromosome 9 undergoing loss of heterozygosity in nasopharyngeal carcinoma (NPC). Taking into account its cytogenetic location, this UBA domain family member is being studies as a putative target for mutation in nasopharyngeal carcinomas. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2010]

Product images:



Circular map for RG201858