

Product datasheet for **RC201858**

UBAP1 (NM_016525) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBAP1 (NM_016525) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UBAP1
Synonyms:	NAG20; SPG80; UAP; 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:

>RC201858 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTTCTAAGAAGTTGGGTGCAGATTTTCATGGGACTTTCAGTTACCTTGATGATGTCCATTTAAGA
 CAGGAGACAAATTCAAAACACCAGCTAAAGTTGGTCTACCTATTGGCTTCTCCTTGCCTGATTGTTTGCA
 GTTTGTACAGAGAAGTACAGTATGACTTCTCTTTGGAAAAGAAAACCATTGAGTGGGCTGAAGAGATTAAG
 AAAATCGAAGAAGCCGAGCGGGAAGCAGAGTGC AAAATTGCGGAAGCAGAAGCTAAAGTGAATTCTAAGA
 GTGGCCAGAGGGCGATAGCAAAATGAGCTTCTCCAAGACTCACAGTACAGCCACAATGCCACCTCTAT
 TAACCCCATCCTCGCCAGCTTGCAGCACAAACAGCATCCTCACACCAACTCGGGTCAGCAGTAGTGCCACG
 AAACAGAAAGTTCTCAGCCACCTCACATAAAGGCGGATTTCAATCTTGCTGACTTTGAGTGTGAAGAAG
 ACCCATTTGATAATCTGGAGTAAAAACTATTGATGAGAAGGAAGAGCTGAGAAATATTCTGGTAGGAAC
 CACTGGACCCATTATGGCTCAGTTATTGGACAATAACTTGCCAGGGGAGGCTCTGGGTCTGTGTTACAG
 GATGAGGAGGTCCTGGCATCCTTGAACGGCAACCCTAGATTTCAAGCCTCTTCATAAAACCAATGGCT
 TTATAACCTTACCACAGTTGGGCAACTGTGAAAAGATGCACTGTCTTCCAAAGTGTCCCTCCCCCTAT
 ACCTGCAGTAAGCAATATCAAAATCCCTGTCTTTCCCAAACCTTGACTCTGATGACAGCAATCAGAAGACA
 GCCAAGCTGGCGAGCACTTTCCATAGCACATCCTGCCTCCGCAATGGCACGTTCCAGAATCCCTAAAGC
 CTTCCACCCAAAGCAGTGCCAGTGAGCTCAATGGGCATCACACTTTGGGCTTTCAGCTTTGAACCTGGA
 CAGTGGCACAGAGATGCCAGCCCTGACATCCTCCAGATGCCTTCCCTCTCTGTTTTGTCTGTGTGCACA
 GAGGAATCATCACCTCCAATACTGGTCCCACGGTCACCCCTCCTAATTTCTCAGTGTACAAGTGCCCA
 ACATGCCAGCTGTCCCAGGCCATTCTGAACCTGCAGATGCTGTCCCCAGCGAGCGCAGTGTGTGGA
 GACGGTGGTCAACATGGGCTACTCGTACGAGTGTGCTCCTCAGAGCCATGAAGAAGAAAGGAGAGAATATT
 GAGCAGATTCTCGACTATCTCTTTGCACATGGACAGCTTTGTGAGAAGGGCTTCGACCCTTTTTAGTGG
 AAGAGGCTCTGGAAATGCACCAGTGTTCAGAAGAAAAGATGATGGAGTTTCTTCAGTTAATGAGCAAAT
 TAAGGAGATGGGCTTTGAGCTGAAAGACATTAAGGAAGTTTGTCTATTACACAACAATGACCAGGACAAT
 GCTTTGGAAGACCTCATGGCTCGGGCAGGAGCCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201858 protein sequence
 Red=Cloning site Green=Tags(s)

MASKKLGADFHGTF SYLDDVPFKTGDKFKTPAKVGLPIGFSLPDCLQVVREVQYDF SLEKKTIEWAEEIK
 KIEEAEREAECKIAEAEAKVNSKSGPEGDSKMSFSKTHSTATMPPPINPILASLQHNSILTPTRVSSAT
 KQKVLSPPHIKADFNADFCEEDPFDNLELKTIDEKEELRNILVGTGPIMQLDNNLPRGGSGSVLQ
 DEEVLASLERATLDFKPLHKPNGFITLPQLGNCEKMSLSSKVSLPPIPAVSNIKSLSFPKLDSDSNQKT
 AKLASTFHSTSCLRNGTFQNSLKPSTQSSASELNHHTLGLSALNLDSTGTEMPALTSSQMPSLSVLSVCT
 EESSPPNTGPTVTPPNFVSQVPMNPSCPQAYSELQMLSPSERQCVETVVMGYSYECVLRAMKKKGENI
 EQILDYLF AHGQLCEKGFDP LLVEEALEMHCSEKMMEFLLMSKFKEMGFELKDIKEVLLLHNNDQDN
 ALEDLMARAGAS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6011_g05.zip

Restriction Sites:

Sgfl-Mlul

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.

RefSeq: [NM_016525.5](#)

RefSeq Size: 2743 bp

RefSeq ORF: 1509 bp

Locus ID: 51271

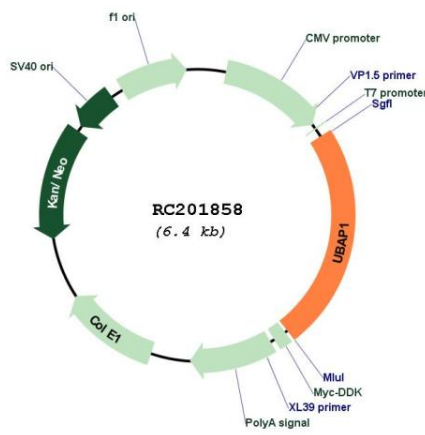
UniProt ID: [Q9NZ09](#)

Cytogenetics: 9p13.3

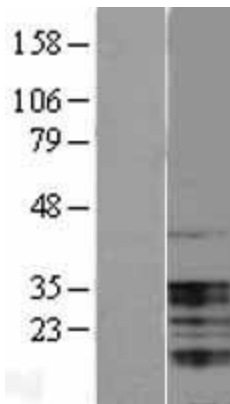
Domains: UBA
MW: 55.1 kDa
Gene Summary:

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 studied 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]

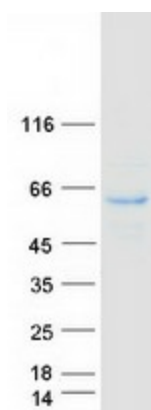
Product images:



Circular map for RC201858



Western blot validation of overexpression lysate (Cat# [LY402559]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201858 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UBAP1 protein (Cat# [TP301858]). The protein was produced from HEK293T cells transfected with UBAP1 cDNA clone (Cat# RC201858) using MegaTran 2.0 (Cat# [TT210002]).