

## Product datasheet for **RG230186**

### **UBAP1 (NM\_001171203) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	UBAP1 (NM_001171203) 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:**

>RG230186 representing NM\_001171203  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTCTAAGAAGTTGGGTGCAGATTTTCATGGGACTTTCAGTTACCTTGATGATGTCCATTTAAGA  
 CAGGAGACAAATTCAAAACACCAGCTAAAGTTGGTCTACCTATTGGCTTCTCCTTGCCGATTGTTTGCA  
 GTTTGTACAGAGAAGTACAGTATGACTTCTCTTTGGAAAAGAAAACCATTGAGTGGGCTGAAGAGATTAAG  
 AAAATCGAAGAAGCCGAGCGGGAAGCAGAGTGC AAAATTGCGGAAGCAGAAGCTAAAGTGAATTCTAAGA  
 GTGGCCAGAGGGCGATAGCAAAATGAGCTTCTCCAAGACTCACAGTACAGCCACAATGCCACCTCTAT  
 TAACCCCATCCTCGCCAGCTTGCAGCACAAACAGCATCCTCACACCAACTCGGGTCAGCAGTAGTGCCACG  
 AAACAGAAAGTTCTCAGCCACCTCACATAAAGGCGGATTTCAATCTTGCTGACTTTGAGTGTGAAGAAG  
 ACCCATTTGATAATCTGGAGTAAAAACTATTGATGAGAAGGAAGAGCTGAGAAAATTCTGGTAGGAAC  
 CACTGGACCCATTATGGCTCAGTTATTGGACAATAACTTGCCAGGGGAGGCTCTGGGCTGTGTTACAG  
 GATGAGGAGGTCCTGGCATCCTTGAACGGGCAACCCTAGATTTCAAGCCTCTTCATAAAACCAATGGCT  
 TTATAACCTTACCACAGTTGGGCAACTGTGAAAAGATGCTACTGTCTTCCAAAGTGTCCCTCCCCCTAT  
 ACCTGCAGTAAGCAATATCAAAATCCCTGTCTTTCCCAAACCTTGACTCTGATGACAGCAATCAGAAGACA  
 GCCAAGCTGGCGAGCACTTTCCATAGCACATCCTGCCTCCGCAATGGCACGTTCCAGAATCCCTAAAGC  
 CTTCCACCCAAAGCAGTGCCAGTGAAGTCAATGGGCATCACACTTTGGGCTTTTCAGCTTTGAAGTGGGA  
 CAGTGGCACAGAGATGCCAGCCCTGACATCCTCCAGATGCCTTCCCTCTCTGTTTTGTCTGTGTGCACA  
 GAGGAATCATCACCTCCAATACTGGTCCCACGGTCACCCCTCCTAATTTCTCAGTGTACAAGTGCCCA  
 ACATGCCAGCTGTCCCAGGCCATTCTGAACTGCAGATGCTGTCCCCAGCAGCGGCGAGTGTGGA  
 GACGGTGGTCAACATGGGCTACTCGTACGAGTGTGCTCCTCAGAGCCATGAAGAAGAAAGGAGAGAATATT  
 GAGCAGATTCTCGACTATCTCTTTGCACATGGACAGCTTTGTGAGAAGGGCTTCGACCCTTTTTAGTGG  
 AAGAGGCTCTGGAAATGCACCAGTGTTCAGAAGAAAAGATGATGGAGTTTCTTCAGTTAATGAGCAAATT  
 TAAGGAGATGGGCTTTGAGCTGAAAGACATTAAGGAAGTTTGTCTATTACACAACAATGACCAGGACAAT  
 GCTTTGGAAGACCTCATGGCTCGGGCAGGAGCCAGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG230186 representing NM\_001171203  
 Red=Cloning site Green=Tags(s)

MASKKLGADFHGTF SYLDDVPFKTGDKFKTPAKVGLPIGFSLPDCLQVVREVQYDFSLEKKTIEWAEEIK  
 KIEEAEREAECKIAEAEAKVNSKSGPEGDSKMSFSKTHSTATMPPPINPILASLQHNSILTPTRVSSSAT  
 KQKVLSPPHIKADFNLADFECEEDPFDNLELKTIDEKEELRNILVGTTPIMAQLLDNNLPRGSGSVLQ  
 DEEVLASLERATLDFKPLHKPNGFITLPQLGNCEKMSLSSKVSPPIPAVSNIKSLSFPKLDSDSNQKT  
 AKLASTFHSTSCLRNGTFQNSLKPSTQSSASELNHHTLGLSALNLD SGTEMPALTSSQMPSLSVLSVCT  
 EESSPPNTGPTVTPPNF SVSQVPNMPSCPQAYSELQMLSPSERQCVETVVMGYSYECVLRAMKKKGENI  
 EQILDYLF AHGQLCEKGFDP LLVEEALEMHQCSSEKMMFLQLMSKFKEMGFELKDIKEVLLLNNDQDN  
 ALEDLMARAGAS

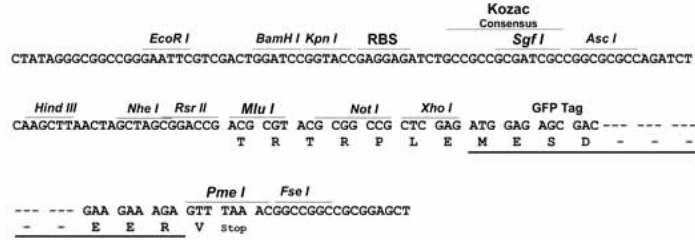
**TRTRPLE** - GFP Tag - V

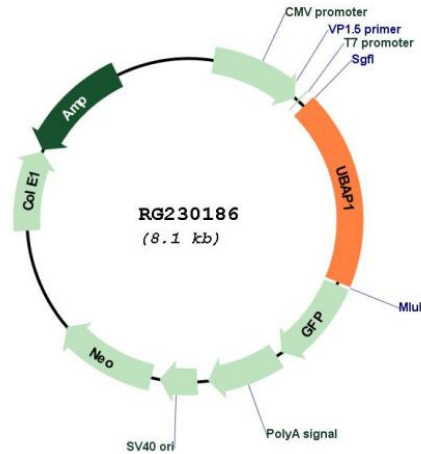
**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_001171203

**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\\_001171203.3](#)

**RefSeq Size:** 2898 bp

**RefSeq ORF:** 1509 bp

**Locus ID:** 51271

**UniProt ID:** [Q9NZ09](#)

**Cytogenetics:** 9p13.3

**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]