

Product datasheet for **RG201371**

UBAP2L (NM_014847) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBAP2L (NM_014847) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBAP2L
Synonyms:	NICE-4; NICE4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201371 representing NM_014847 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGACATCGGTGGGCACTAACCGAGCCCGGGAACTGGGAACAACCTCAAACCAAACCAGACAC
AGCACAAGCAGCGGCCACAGGCCACTGCAGAACAATTAGACTTGCACAGATGATTCGGACCATAATGA
TGCTGACTTTGAGGAGAAGGTGAAACAATTGATTGATATTACAGGCAAGAACCAGGATGAATGTGTGATT
GCTTTGCATGACTGCAATGGAGATGTCAACAGAGCTATCAATGTTCTTCTGGAAGGAAACCCAGACACGC
ATTCCTGGGAGATGGTCGGGAAGAAGAAGGGAGTCTCAGGCCAGAAGGATGGTGGCCAGACGGAATCCAA
TGAGGAAGGCAAAGAAAATCGAGACCGGGACAGAGACTATAGTCGGCGACGTGGTGGCCACCAAGACGG
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CGAGTGCATGGAGGACTGCAACAGAGGAGTGGGGGACTGAAGATTGGAATGAAGATCTTCTGAGACCAA
GATCTTCACTGCCTCTAATGTGTCTTCAGTGCCTCTGCCTGCGGAGAATGTGACAATCACTGCTGGTCAG
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AAAGCCTCCTTGACTTCTAAGATTCTGCTCTGGCTGTGGAGATGCCTGGCTCAGCAGATATCTCAGGGC
TAAACCTGCAGTTTGGGGCATTGCAGTTTGGGTGACAGCCTGTCCTTTCTGATTATGAGTCCACCCAC
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CCAACAAGTCTGCCTACAACAGCTACAGCTGGGGGCCAAC
    
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG201371 representing NM_014847
 Red=Cloning site Green=Tags(s)

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MMTSVGTNRARGNWEQPQNQNTQHKQRPQATAEQIRLAQMI SDHNDADFEKVKQLIDITGKNQDECVI
ALHDCNGDVNRAINVLLLEGNPDTHSWEMVGKKKGVSGQKDGQTESNEEGKENRDRDRDYSRRRGPPRR
GRGASRGREFRQENGLDGTKSGGPSGRGTERGRRGRGRGRGSGRRGGRFSAQGMGT FNPADYAE PANT
DDNYGNSSGNTWNNTGHFEPDDGTSAWRTATEEWGTEDWNEDLSETKIFTASNVS VPLPAENVITAGQ
RIDLAVLLGKTPSTMENDSSNLDP SQAPSLAQPLVFSNSKQTAISQPASGNTF SHHSMV SMLGKGF DVG
EAKGGSTTGSQFLEQFKTAQALAAQHSQSGSTTTSSWDMGSTTQSPSLVQYDLKNP SDSAVHSPFTK
RQAFTPSSTMMEVFLQEKSPAVATSTAAPPPSSPLPSKSTSAPQMSPGSSDNQSSSPQPAHQK LKQKK
KASLTSKIPALAVEMPGSADISGLNLQFGALQFGSEPVLSDYESTPTT SASSQAPSSLYTSTASESSST
ISSNQSQESGYQSGPIQSTTYTSQNNAQGPLYEQRSTQTRRYPSSI SSSPQKDLTQAKNGF SSVQATQLQ
TTQSVEGATGSAYKSDSPSTSSIPPLNETVSAASLLTTTNQHSSSLGGLSHSEEIPNTTTTQHSSTLSTQ
QNTLSSSTSSGRTSTSTLLHTSVESEANLHSSSTFTSTTSSTVSAPPVVS VSSSLNSGSSLGLSLGNS
TVTASTRSSVATTS GKAPPNLP PGV PPLL PNPYIMAPGLLHAYPPQVYGYDDLQMLQTRFPLDYYSIPFP
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LPYYTGVPGLPSTFYQYGA VFPVAPTSSKQHGVNVS VNASATPFQQPSGYGSHGYNTGVS VTSNTGVPD
ISGSVYSKTQSFQKGFHSGTPAASFNLPSALGSGGPINPATAAAYPPAPFMHILTPHQQPHSQILHHH
LQQDQGTGSGQRSQTSSIPQKPQTNKSA YNSYSWGAN
    
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_014847

ORF Size: 3261 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_014847.2](#), [NP_055662.2](#)

RefSeq Size: 3889 bp

RefSeq ORF: 3264 bp

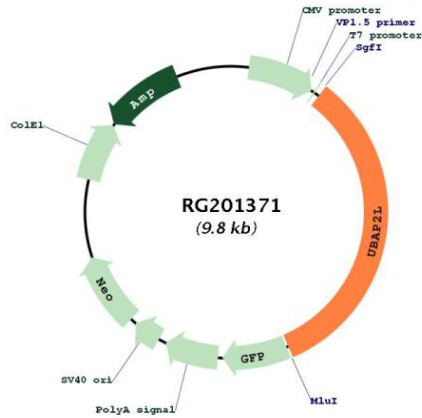
Locus ID: 9898

UniProt ID: [Q14157](#)

Cytogenetics: 1q21.3
Domains: UBA
Protein Families: Druggable Genome

Gene Summary: Plays an important role in the activity of long-term repopulating hematopoietic stem cells (LT-HSCs).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201371