

## Product datasheet for MR217105

### Ubap2l (NM\_001165987) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ubap2l (NM_001165987) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ubap2l
Synonyms:	3110083O19Rik; 4932431F02Rik; A430103N23Rik; C77168; mKIAA0144; Nice-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217105 representing NM_001165987 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGACGTCGGTGGGCACTAACCGAGCCCGGGAACTGGGAACAACCTCAAACCAAACCAGACAC  
AGCACAAGCAGCGGCCACAGGCCACTGCAGAGCAAATTCGACTTGACAGATGATTTGGACCATAATGA  
TGCTGACTTTGAGGAGAAGGTGAAACAATTGATTGATATCACAGGCAAAAACCAGGATGAATGTGTGATT  
GCTTTGCATGACTGCAATGGAGATGTCAACAGAGCCATCAATGTTCTCCTGGAAGGAAATCCAGACACGC  
ATTCCTGGGAGATGGTTGGGAAGAAGAAAGGAGTCTCAGGACAAAAGGATGGTGGACAACTGAATCTAA  
TGAAAGAAGGAAAAGAAAATCGAGACCGGGACAGAGACTATAGTCGGCGACGTGGTGGGCCACCAAGACGG  
GGGAGAGGTGCCAGCCGTGGACGAGAGTTTCGGGGCCAGGAAAATGGATTGGATGGCACCAAGAGTGGAG  
GGCCTTCTGGAAGAGGCACAGACAGAGGCAGAAGAGGCCGTGGCCGTGGCAGAGGTAGTTCTGGTAGGCG  
AGGAGGAAGGTTTTCTGCTCAAGGAATGGGAACCTTTAACCCAGCTGATTATGCAGAGCCAGCCAACACT  
GATGATAACTATGGCAATAGCAGTGGCAATACATGGAACAACACTGGCCACTTTGAACCAGATGATGGAA  
CAAGTGCATGGAGGACTGCAACAGAAGAGTGGGAACTGAAGACTGGAATGAAGATCTTTCTGAGACCAA  
GATCTTTACCGCCTCTAATGTGTCTTCAGTGCCTCTGCCTGCGGAGAATGTGACAATCACTGCTGGTCAG  
AGAATTGACCTTGCTGTTCTGTTGGGAAGACACCATCTTCAATGGAGAATGATTCACTAATCTGGATC  
CATCTCAGGCTCCTTCCCTGGCTCAGCCTCTGGTGTAGTAATTCGAAGCAGAATGCCATATCACAGCC  
TGCTTCAGGGAGTACATTTCTCACCATAGCATGGTGAGCATGTTGGGAAAGGATTTGGTGATGTTGGG  
GAAGCTAAAGGTGGCAGTACAACAGGCTCCAGTCTTGGAGCAATCAAGACTGCGCAGGCCCTTGCTC  
AACTGGCAGCTCAACATTCTCAATCTGGAAGCACTACCACCTCCTTGGGATATGGGCTCAACAACACA  
ATCACCATCACTGGTGCAGTATGATCTGAAGAGTGCAAATGATTCACAGTGCACAGTCTTTTACAAG  
CGCCAGGCATTACCCCATCTTCAACCATGATGGAGGTATTCCTTCAGGAGAAGCCACCTGCAGTGGCTA  
CCTCGACAGCTGCACCACCTCCCCGTCTTCTCCTCTGCCAAGCAAATCCACCTCGGCTCCACAGATGTC  
TCCGGGTCTTCAGACAACAGTCTCCAGCCCTCAGCCGGCTCAGCAGAACTGAAACAGCAAAAGAAG



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AAAACCTCCTTGACGTCTAAGATTCTGCTCTGGCTGTGGAGATGCCTGGCTCAGCAGATATCTCAGGGC  
 TAAATCTACAGTTTGGGGCATTGCAGTTTGGGTGAGAGCCTGTCCTTTCTGATTATGAGTCCACCCAC  
 CACGAGCGCCTCCTCAAGCCAGGCTCCTAGTAGCCTGTATACCAGCACGGCCAGTGTCTTATCTACA  
 GTTTTCACTAATCAGAGTCAGGAGTCTGGTTATCAGAGTGGCCGATTAGTTCGACAACCTATACCTCCC  
 AAAATAATGCTCAGGGCCCTCTATATGAACAGAGATCCACACAGACGGCGGTATCCCAGCTCCATCTC  
 TTCATCACCCAAAAGGACCTGACTCAGGCTAAGAATGGTTTTAGCTCTGTGCAGGCCACGCAGTTACAG  
 ACCACGCAATCTGTTGAAGGTGCTACAGGCTCTGCAGTGAATCTGAATCACCTTCCACTTCTAGTATA  
 CCTCTCTCAATGAAACAGTACCTGCAGTTCCTTACTGACGACAGCCAATCAGCATTTCATCCTTAAG  
 TGGCTTGAGCCATACGGAGGAGATTCCAATACCACCACACACAACATAGCAGTGCATTATCTACACAG  
 CAGAATACCCTTTCTTCAACATCTTCTGGCGTACTTCAACATCCACTCTTTTGCATACAAGTGTGG  
 AGAGTGAGGCAAATCTACATTCTTCTCCAGCACCTTCTCTACCACATCCAGCACTGTCTCTGCACCTCC  
 CCCAGTGGTCAGTGTCTCCTCCAGTCTGAATAGTGGCAGTAGTCTGGGCCTTAGCCTGGGACGAACTCT  
 ACTGTCACAGCCTCAACTCGAAGCTCAGTTGCTACAACCTCAGGAAAAGCTCCTCCCAACCTTCTCCTG  
 GAGTCCC GCCATTGTTGCCTAATCCATATATTATGGCTCCGGGGCTGTTACATGCCTATCCGCCACAAGT  
 ATATGGTTATGATGATTTACAGATGCTCCAGACAAGATTTCCATTGGATTACTACAGTATCCCGTTCCC  
 ACACCCACCACTCCACTTACTGGGAGGGATGGTAGCCTGGCCAGCAACCTTACTCTGGCGACCTACCA  
 AATTTCGGCCGCGGGGATGCCTCCTCCCCAGCCCCAGCCACAACCTTGGCCCAACCCCAACAGAACCAGAC  
 GCAGACTACCCACACCACGCAGCAGACATTCTGAACCCGGCGCTGCCTCCTGGCTATAGTTACACCAGC  
 CTGCCATACTACACAGGGGTCCCGGGCCTCCCCAGCACCTTCCAGTATGGGCCTGCTGTGTTCCCTGTGG  
 CTCCTACCTCTTCCAAGCAGCATGGTGTGAATGTCAGTGTGAATGCCTCGGCTACCCCTTCCAACAGCC  
 AAGTGGATATGGGTCTCATGGATACAACACTGGAAGAAAATATCCACCCCTTACAAGCATTTCTGGACG  
 GCTGAGAGC

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217105 representing NM\_001165987  
Red=Cloning site Green=Tags(s)

MMTSVGTNRARGNWEQPQNQNQTQHKQRPQATAEQIRLAQMI SDHNDADFEKVKQLIDITGKNQDECVI  
 ALHDCNGDYNRAINVLLLEGNPDTHSWEMVGGKKGVSGQKDGQTESNEEGKENRDRDRDYSRRRGPPRR  
 GRGASRGREFRGQENGLDGTKSGPSGRGTDRGRRGRGRGRGSSGRRGGRFSAQGMGTFNPADYAEPAANT  
 DDNYGNSSGNTWNNTGHFEPDDGTSAWRATEEWGTEDWNEDLSETKIFTASNVSVPPLAENVITAGQ  
 RIDLAVLLGKTPSSMENDSSNLDP SQAPSLAQPLVFSNSKQNAISQPASGSTFSHHSMVSM LGKFGDVG  
 EAKGGSTTGSQFLEQFKTAQALAAQHSQSGSTTTSSWDMGSTTQSPSLVQYDLKSANDSTVHSPFTK  
 RQAFTPSSTMMEVFLQEKPPAVATSTAAPPPSSPLPSKSTSAPQMSPGSSDNQSSPQPAQQLKQKK  
 KTSLSKIPALAVEMPGSADISGLNLQFGALQFGSEPVLSDYESTPTTSASSSQAPSSLYTSTASESSST  
 VSSNQSQESGYQSGPIQSTTYTSQNNAQGPLYEQRSTQTRRYPSSISSSPQKDLTQAKNGFSSVQATQLQ  
 TTQSVEGATGSAVKSESPSTSSIPSLNETVPAASLLTTANQHSSLSGLSHTEEIPNTTTTQHSSALSTQ  
 QNTLSSSTSSGRTSTSTLLHTSVESEANLHSSSSTFSTTSSTVSAAPPVVSVSSLSNSGSSLGLSLGNS  
 TVTASTRSSVATTSGKAPPNLPVPPPLPNPYIMAPGLLHAYPPQVYGYDDLQMLQTRFPLDYYSIPFP  
 TPTTPLTGRDGLASNPYSGDLTKFGRGDASSPAPATTLAQPPQNQTQTHHTTQQTFLNPALPPGYSYTS  
 LPYYTGVPGLPSTFYGPVAVFPVAPTSSKQHG VNVSVNASATPFQQPSGYGSHGYNTGRKYPPPYKHFWT  
 AES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001165987

**ORF Size:** 2949 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.

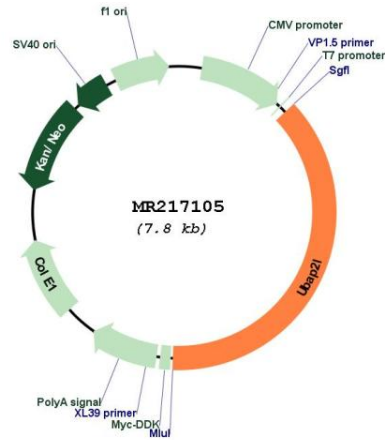
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_001165987.2](#)

**RefSeq Size:** 3652 bp

RefSeq ORF:	2952 bp
Locus ID:	74383
Cytogenetics:	3
MW:	103.9 kDa
Gene Summary:	Plays an important role in the activity of long-term repopulating hematopoietic stem cells (LT-HSCs) (PubMed:25185265).[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MR217105