

## Product datasheet for MR218521

### Ubap2l (NM\_001165985) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ubap2l (NM\_001165985) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ubap2l  
**Synonyms:** 3110083O19Rik; 4932431F02Rik; A430103N23Rik; C77168; mKIAA0144; Nice-4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR218521 representing NM\_001165985  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGACGTCGGTGGGCACTAACCGAGCCCGGGAACTGGGAACAACCTCAAACCAAACCAGACAC  
 AGCACAAGCAGCGCCACAGGCCACTGCAGAGCAAATTCGACTTGCACAGATGATTCGGACCATAATGA  
 TGCTGACTTTGAGGAGAAGGTGAAACAATTGATTGATATCACAGGCAAAAACCAGGATGAATGTGTGATT  
 GCTTTCATGACTGCAATGGAGATGTCAACAGAGCCATCAATGTTCTCCTGGAAGGAAATCCAGACACGC  
 ATTCTGGGAGATGGTTGGGAAGAAGAAAGGAGTCTCAGGACAAAAGGATGGTGGACAACTGAATCTAA  
 TGAAGAAGGAAAAGAAAATCGAGACCGGGACAGAGACTATAGTCGGCGACGTGGTGGGCCACCAAGACGG  
 GGGAGAGGTGCCAGCCGTGGACGAGAGTGTATGCATGGGGCTTTATCAAACACAGCTGTGGTTCGGGGCC  
 AGGAAAATGGATTGGATGGCACCAGAGTGGAGGGCTTCTGGAAGAGGCACAGACAGAGGCAGAAGAGG  
 CCGTGGCCGTGGCAGAGGTAGTTCTGGTAGGCGAGGAGGAAGGTTTTCTGCTCAAGGAATGGGAACCTTT  
 AACCCAGCTGATTATGCAGAGCCAGCCAACACTGATGATAACTATGGCAATAGCAGTGGCAATACATGGA  
 ACAACACTGGCCACTTTGAACCAGATGATGGAACAAGACTTGATTTTCATTGGGGTTGAGGGGTCAAATTA  
 TCCCCGAAAATTTGAGACTGCTCCTGGTGCATGGAGGACTGCAACAGAAGAGTGGGGAACCTGAAGACTGG  
 AATGAAGATCTTTCTGAGACCAAGATCTTTACCGCCTCTAATGTGTCTTCAAGTGCCTCTGCCTGCGGAGA  
 ATGTGACAATCACTGCTGGTCAGAGAATTGACCTTGCTGTTCTGTTGGGGAAGACACCATCTTCAATGGA  
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 AAGCAGAATGCCATATCACAGCCTGCTTACGGGAGTACATTTCTCACCATAGCATGGTGAAGCATGTTGG  
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 TGGGATATGGGCTCAACAACACAATCACCATCACTGGTGCAGTATGATCTGAAGAGTGCAATGATTCAA  
 CAGTGCACAGTCTTTTACAAAGCGCCAGGCATTACCCCATCTCAACCATGATGGAGGTATTCCTTCA  
 GGAGAAGCCACCTGCAGTGGCTACCTCGACAGCTGCACCACCTCCCCGCTTCTCCTCTGCCAAGCAAA  
 TCCACCTCGGCTCCACAGATGTCTCCGGGTCTTCAGACAACCAGTCTCCAGCCCTCAGCCGGCTCAGC



AGAAACTGAAACAGCAAAAAGAAGAAAACCTCCTTGACGTCTAAGATTCTGCTCTGGCTGTGGAGATGCC  
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 TCTGATTATGAGTCCACCCACCACGAGCGCCTCCTCAAGCCAGGCTCCTAGTAGCCTGTATACAGCA  
 CGGCCAGTGAGTCTTACATCTACAGTTTCAATCAATCAGAGTCAGGAGTCTGGTTATCAGAGTGGCCCGAT  
 TCAGTCGACAACCTATACCTCCCAAAAATGCTCAGGGCCCTCTATATGAACAGAGATCCACACAGAGC  
 CGGGCGTATCCCAGCTCCATCTTTCATCACCCAAAAGGACCTGACTCAGGCTAAGAATGGTTTTAGCT  
 CTGTGCAGGCCACGCAGTTACAGACCACGCAATCTGTTGAAGGTGCTACAGGCTCTGCAGTGAAATCTGA  
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 AATCAGCATTATCCTCCTTAAGTGGCTTGAGCCATACGAGGAGATTCCAAATACCACCACCACACAAC  
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 TCCAGCACTGTCTCTGCACCTCCCCAGTGGTCACTGTCTCCTCCAGTCTGAATAGTGGCAGTAGTCTGG  
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 ATTACTACAGTATCCCGTTTCCACACCACCCTCCACTTACTGGGAGGATGGTAGCCTGGCCAGCAA  
 CCCTTACTCTGGCGACCTCACCAAAATTCGGCCGCGGGGATGCCTCCTCCCGACCCAGCCACAACCTTG  
 GCCCAACCCCAACAGAACCAGACGAGACTCACCAACCACGCAGCAGACATTCTGAACCCGGCGCTGC  
 CTCTGGCTATAGTTACACCAGCCTGCCATACTACACAGGGGTCCCGGGCCTCCCGAGCACCTTCCAGTA  
 TGGGCTGCTGTGTTCCCTGTGGCTCCTACCTCTTCCAAGCAGCATGGTGTGAATGTGAGTGTGAATGCC  
 TCGGCTACCCCTTCCAACAGCCAAGTGGATATGGGTCTCATGGATACAACACTGGAAGAAAATATCCAC  
 CCCCTTACAAGCATTCTGGACGGCTGAGAGC

ACGCGTACGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218521 representing NM\_001165985  
 Red=Cloning site Green=Tags(s)

MMTSVGTNRARGNWEQPQNQNQTQHKQRPQATAEQIRLAQMI SDHNDADFEKVKQLIDITGKNQDECVI  
 ALHDCNGDYNRAINVLLLEGNDTHSWEMVGGKKGVSQKDGQTESNEEGKENRDRDRDYRRRGPPRR  
 GRGASRGRECMHGALSKPAVVRQENGLDGTKSGPSGRGTDGRRRRGRGRGSSGRRGRFSAQMGTF  
 NPADYAEANTDDNYGNSSGNTWNNTGHFEPDDGTRLDFIGVEGSNYPRKFETAPGAWRTATEEWGTEDW  
 NEDLSETKIFTASNVSPLPAENVITAGQRIDLAVLLGKTPSSMENDSSNLDPSQAPSLAQPLVFSNS  
 KQNAISQPASGSTFSHSMVSMGKGFVDVGEAKGGSTTGSQFLEQFKTAQALAAQHSQSGSTTTSS  
 WDMGTTQSPSLVQYDLKSANDSTVHSPFTKRQAFTPSSTMMEVFLQEKPPAVATSTAAPPPSSPLPSK  
 STSAPQMSPGSSDNQSSSPQAQKQKQKKTSLTSKIPALAVEMPGSADISGLNLQFGALQFGSEPV  
 SDYESTPTTSASSSQAPSSLYTSTASESSVSSNQSQESGYQSGPIQSTTYTSQNNAQGPLYEQRSTQT  
 RRYPSSISSSPQKDLTQAKNGFSSVQATQLQTTQSVEGATGSAVKSESPSTSSIPSLNETVPAASLLTTA  
 NQHSSSLSGLSHTEEIPNTTTTQHSSALSTQNTLSSTSSGRTSTSTLLHTSVSEANLHSSSSTFSTT  
 SSTVSAPPVVSVSSSLNSGSSLGLSLGSNSTVASTRSSVATTSKAPPNLPVPPVPLLPNYIMAPGL  
 LHAYPPQVYGYDDLQMLQTRFPLDYYSIPFPTPTTPLTGRDGLASNPYSGDLTKFGRGDASSPAPATTL  
 AQPQQNQTHHTTQTFLNALPPGYSYSLPYTGVPLPSTFYGPVAVFPVAPTSSKQHGNNVSVNA  
 SATPFQPPSGYSGHYNTGRKYPPPYKHFVTAES

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001165985.2</a>
<b>RefSeq Size:</b>	3745 bp
<b>RefSeq ORF:</b>	3045 bp
<b>Locus ID:</b>	74383
<b>UniProt ID:</b>	<a href="#">Q80X50</a>
<b>Cytogenetics:</b>	3
<b>MW:</b>	107.7 kDa
<b>Gene Summary:</b>	Plays an important role in the activity of long-term repopulating hematopoietic stem cells (LT-HSCs) (PubMed:25185265).[UniProtKB/Swiss-Prot Function]