

Product datasheet for **MR222506**

Ubp1 (NM_001083319) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubp1 (NM_001083319) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ubp1
Synonyms:	Cp2b; LBP-1a; LBP-1b; NF2d9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR222506 representing NM_001083319
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTGGGTGCTCAGTATGGACGAGGTGATCGAGTCCGGGCTGGTGCACGACTTCGACTCCAGCCTGT
 CCGGCATCGGGCAGGAGCTGGGGCCGGCGCCTACAGCATGAGTATGTGTTGGCATTGCCATTTTCAA
 GCAAGAAGATTCCAGTCTTTCTTGAAGATGAGGCCAAGCACCCCTTCCAATATGTATGTGTCT
 GCAACTTCGCCAGCCGTTAAGCTGCACGACGAGACACTTACTTACTTGAACCAAGGCCAGTCTTATGAAA
 TTCGGATGCTGGATAATCGCAAATGGGAGACATGCCTGAGCTCAGTGGGAAGTTGGTAAAGAGCATCAT
 AAGGGTGGTGTCCATGACAGGCGGCTACAGTACACAGAACATCAGCAGCTTGAAGGCTGGAAGTGAAT
 CGTCCAGGAGACAGGCTTCTCGATTTAGATATTCCAATGTCTGTGGGAATAATTGACACAAGGACAAATC
 CAAGCCAGTTAAATGCAGTTGAATTTCTGTGGACCCTGCAAAGCGCACATCTGCCTTCATTAGGTACA
 TTGTATCAGCACAGAATTCACCCCGCTAAGCATGGAGGTGAAAAAGGAGTGCCTTTCAGGATCCAGGTT
 GACACCTTAAAGCAGAATGAAAACGGGGAATACACAGATCATCTTCACTCAGCCAGCTGCCAAATCAAAG
 TCTTTAAGCCTAAAGGTGCAGACAGAAAACAAAAAATGACCCGAGAAAAGATGGAGAAGAGAACAGCTCA
 TGAAAAAGAAAAGTACCAGCCATCTTACGACACCACCTTCTCACAGAGATGAGGCTTGAGCCTATAATT
 GAAGATGCAGTTGAACATGAGCAGAAAAAGTCCAGCAAGCGGACTTTGCCAGCAGACTACGGTGATTCTC
 TGGCAAAGCGAGGCGATTGTTCTCCATGGCCCGACACCCCTACAGCCTATGTGAACAACAGCCCTCCCC
 AGCGCCCACTTTCACCTCCTCACACCAGCAGTGCAGTGTCCAGACAGCAATTTTCATCCCCAAAT
 CACCAGGGAGATGGAGCTGCACAAGCGTCTGGGAACAAATTCAGCCTTCAGCTACAACCCAGGAAACAC
 AGCAGTGGCTGCTCAAAAACAGTTCTCTTCTACACAAGACTGTCTCTAATTTTTTCAGTGGCCGACTT
 ATTAAGCTGACAAAGGAGATTAGTTAGATTTGTGGTGCAGCCGATGGAATTCGGCTCTATAATTCC
 CTGAAGTCAAGGTCGTTAGGCCCGCTTAACCATCTATGTCTGCCAGGAGCAGCCGAGTGCACCCGCGC
 TGCAAGGGCAGCCACAAGCTGCAGGCGAGTGGAGGTGAAAGTGGCGGTGGGACGCCCTCCGTTTATCATGC
 AATCTACTTGAAGAAAATGGTTGCCTCAGAAGTTGCTCGAAAACCTGCCTCCGTGTTAATATTCCTTTC
 CACCAAATTAACCAGTTTACAGACAGGGCCCACTGGTATCCACATTCTGTTAGTGACCAGATGGTTC
 AGAACTTCAAGATGAACTTGTTTTTATTCTCCACAGTAAAAGCTGAAAATAATGATGGTATTACAT
 AATTTTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222506 representing NM_001083319
 Red=Cloning site Green=Tags(s)

MAWVLSMDEVIESGLVHDFDSSL SGIGQELGAGAYSMSDVLALPIFKQEDSSL SLEDEAKHPPFQYVMCA
 ATSPAVKLDHETLTYLNQGSYEIRMLDNRKMGDMPPEL SGKL VKSIIRVVFHRRRLQYTEHQLEGWKWN
 RPDRLDL DIPMSVGIIDTRTNPSQLNAVEFLWDPKRTSAFIQVHCISTEFTPRKHGEGVFPFRIQV
 DTFKQENGEYTDHLHSASCQIKVFKPKGADRKQKNDREKMEKRTAHEKEKYQPSYDTTILTEMRLPII
 EDAVEHEQKSSKRTLPA DYGDSLAKRGSCSPWPDPTAYVNNSPSPAPFTTSSQPSTCSVPDSNSSPN
 HQGDGAAQASGEIQPSATTQETQQWLLKNRFSYTRLF SNFSGADLLKLT KEDLVQICGAADGIRLYNS
 LKRSRVRPRLTIYVCQE QPSSTALQGPQAAGSGGESGGTSPVYHAIYLEEMVASEVARKLASVFNIPF
 HQINQVYRQGPTGIHILVSDQM VQNFQDET CFLFSTVKAENNDGIHII LK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

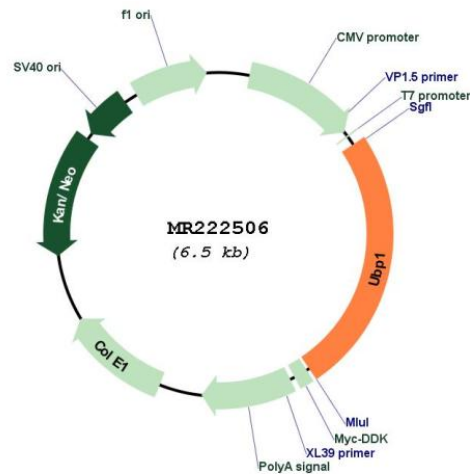
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN:	NM_001083319
ORF Size:	1620 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:	<ol style="list-style-type: none">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_001083319.2
RefSeq Size:	3857 bp
RefSeq ORF:	1623 bp
Locus ID:	22221
UniProt ID:	Q811S7
Cytogenetics:	9 F3
MW:	60.7 kDa
Gene Summary:	Functions as a transcriptional activator in a promoter context-dependent manner. Involved in regulation of the alpha-globin gene in erythroid cells. Activation of the alpha-globin promoter in erythroid cells is via synergistic interaction with TFCP2. Functions as a trans-acting factor that regulates the domestic strain CYP2D9 gene through specific association with the regulatory element SDI-A1. Binding to SDI-A1 depends on the type of nucleotide at position 299; binding is abolished by a nucleotide substitution at this position. Modulates the placental expression of CYP11A1 (By similarity).[UniProtKB/Swiss-Prot Function]