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Product datasheet for MC217151

Ubp1 (NM_013699) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubp1 (NM_013699) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ubp1
Synonyms:	Cp2b; LBP-1a; LBP-1b; NF2d9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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>MC217151 representing NM_013699
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTGGGTGCTCAGTATGGACGAGGTGATCGAGTCCGGGCTGGTGCACGACTTCGACTCCAGCCTGT
CCGGCATCGGGCAGGAGCTGGGCGCCGGCGCCTACAGCATGAGTGATGTGTTGGCATTGCCCATTTTCAA
GCAAGAAGATTCCAGTCTTTCCTTGGAAGATGAGGCCAAGCACCCCCCCTTCCAATATGTAATGTGTGCT
GCAACTTCGCCAGCCGTTAAGCTGCACGACGAGACACTTACTTACTTGAACCAAGGCCAGTCTTATGAAA
TTCGGATGCTGGATAATCGCAAAATGGGAGACATGCCTGAGCTCAGTGGGAAGTTGGTAAAGAGCATCAT
AAGGGTGGTGTTCCATGACAGGCGGCTACAGTACACAGAACATCAGCAGCTTGAAGGCTGGAAGTGGAAT
CGTCCAGGAGACAGGCTTCTCGATTTAGATATTCCAATGTCTGTGGGAATAATTGACACAAGGACAAATC
CAAGCCAGTTAAATGCAGTTGAATTTCTGTGGGACCCTGCAAAGCGCACATCTGCCTTCATTCAGGTACA
TTGTATCAGCACAGAATTCACCCCGCGTAAGCATGGAGGTGAAAAAGGAGTGCCTTTCAGGATCCAGGTT
GACACCTTTAAGCAGAATGAAAACGGGGAATACACAGATCATCTTCACTCAGCCAGCTGCCAAATCAAAG
TCTTTAAGCCTAAAGGTGCAGACAGAAAACAAAAAAATGACCGAGAAAAGATGGAGAAGAGAACAGCTCA
TGAAAAAGAAAAGTACCAGCCATCTTACGACACCACCATTCTCACAGAGTGTTCTCCATGGCCCGACACC
CCTACAGCCTATGTGAACAACAGCCCTTCCCCAGCGCCCACTTTCACCTCCTCACAACCGAGCACGTGCA
GTGTCCCAGACAGCAATTCTTCATCCCCAAATCACCAGGGAGATGGAGCTGCACAAGCGTCTGGGGAACA
AATTCAGCCTTCAGCTACAACCCAGGAAACACAGCAGTGGCTGCTCAAAAACAGGTTCTCTTCCTACACA
AGACTGTTCTCTAATTTTTCAGGTGCCGACTTATTAAAGCTGACAAAGGAGGATTTAGTTCAGATTTGTG
GTGCAGCCGATGGAATTCGGCTCTATAATTCCCTGAAGTCAAGGTCGGTTAGGCCCCGCTTAACCATCTA
TGTCTGCCAGGAGCAGCCGAGTAGCACCGCGCTGCAAGGGCAGCCACAAGCTGCAGGCAGTGGAGGTGAA
AGTGGCGGTGGGACGCCCTCCGTTTATCATGCAATCTACTTGGAAGAAATGGTTGCCTCAGAAGTTGCTC
GAAAACTTGCCTCCGTGTTTAATATTCCTTTCCACCAAATTAACCAGGTTTACAGACAGGGCCCCACTGG
TATCCACATTCTTGTTAGTGACCAGATGGTTCAGAACTTTCAAGATGAAACTTGTTTTTTATTCTCCACA
GTAAAAGCTGAAAATAATGATGGTATTCACATAATTTTGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

ACCN: NM_013699

Insert Size: 1515 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).

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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_013699.2, NP_038727.1
RefSeq Size:	3749 bp
RefSeq ORF:	1515 bp
Locus ID:	22221
UniProt ID:	Q811S7
Cytogenetics:	9 F3
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] Transcript Variant: This variant (2) lacks an exon in the coding region compared to variant 1. The resulting protein (isoform b) is shorter but has the same N- and C-termini compared to isoform a.

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