

Product datasheet for **SC114995**

Upstream Binding Protein 1 (UBP1) (NM_014517) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Upstream Binding Protein 1 (UBP1) (NM_014517) Human Untagged Clone
Tag:	Tag Free
Symbol:	Upstream Binding Protein 1
Synonyms:	LBP-1a; LBP-1B; LBP1A; LBP1B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014517, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTGGGTGCTCAAGATGGACGAGGTGATCGAGTCCGGGCTGGTGCACGACTTCGACGCCAGCCTCT
CGGGCATCGGGCAGGAAGTGGGCGCCGGCGCTTACAGCATGAGTGATGTCTTGGCATTGCCATTTTCAA
GCAGGAAGATTCCAGCCTTCCATTGGATGGTGAACAGAGCACCACCCTTTCAGTATGTGATGTGTGCT
GCAACGTCAACAGCAGTAAAAGTGCATGATGAAACGCTTACTTATTTGAACCAAGGTCAGTCATATGAAA
TTCCGATGCTGGATAATCGGAAAATGGGTGATATGCCTGAGATCAATGGAAAATTAGTAAAGAGCATCAT
AAGGGTTGATTCCATGACAGACGGCTACAATACACAGAGCATCAGCAACTTGAAGGATGGAAGTGAAT
CGCCCAGGAGACAGACTTCTTGATTTAGATATTCCAATGTCTGTGGGAATAATTGACACAAGGACGAATC
CAAGCCAGTTAAATGCGGTTGAATTTCTGTGGGACCCAGCAAACGCACCTCTGCTTTCATTAGGTACA
CTGCATCAGCACAGAATTTACTCCACGGAAGCAGGAGGTGAAAAGGGAGTGCCCTTTAGGATCCAGGTT
GACACCTTTAAGCAGAATGAAAATGGAGAATACACAGATCATCTACACTCAGCTAGCTGCCAAATCAAAG
TTTTTAAGCCTAAAGGTGCAGACAGGAAACAAAAAAGTACCAGAGAGAAGATGGAGAAGAGAACAGCTCA
TGAAAAAGAAAAGTATCAGCCGTCTATGATACCAACAATCCTCACAGAGATGAGGCTTGAGCCTATAATT
GAAGATGCAGTTGAACATGAGCAGAAAAAGTCCAGCAAGCGGACTTTGCCAGCAGACTACGGTGATTCTC
TGGCAAAGCGAGGCAGTTGTTCTCCGTGGCCCGATGCCCCACAGCCTATGTGAATAACAGCCCTTCCCC
AGCGCCCACTTTACCTCCCCACAGCAGAGCACTTGCAGTGTCCCAGACAGCAATTTCTTCTCCCAAAAT
CATCAGGGAGATGGAGCTTACAGACCTCTGGTGAACAAATTCAGCCTTCAGCTACGATCCAGGAAACAC
AGCAATGGCTGCTCAAAAACAGATTCTCTTCTACACAAGACTGTTCTCTAATTTTTAGGTGCCGACTT
ATTAAGACTGACAAAGGAGGATTTAGTTCAAATTTGGTGCAGCCGATGGAATTCGGCTCTATAATTCA
CTGAAGTCAAGGTCCGTTAGACCCGTTAACCATCTATGTCTGCCGGGAGCAGCCAGCAGCAGCATGTC
TGCAAGGGCAGCAGCAAGCTGCAAGCAGTGAAGCGAGAATGGCAGTGGGGCACCCATGTTTATCATGC
AATCTACTTGAAGAAATGATTGCCTCAGAAGTTGCTCGAAAAGTTCGCGTGGTGTAAATATCCCTCTC
CACCAAATTAATCAGGTTTACAGACAGGGTCCCACCGGTATTACATTCTTGTTAGTGATCAGATGGTTC
AGAATTTTCAAGATGAGAGTTGTTTTTTATTCTCCACAGTAAAAGCTGAAAGTAGTGATGGCATCCACAT
AATTTTGAAGTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014517 unedited

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NTTGTCAAAATTTGTATACGACTCACTATAGGCGGCCGGAATCGGCACGAGGCGCTGCC
GGCGGCCCGGCGCTCCCGCTGCAATTGCTCGCTGGGCTCGTCTGCCCTGCCAGTGGGG
CCCCCGCAGCTCTCGTCCCGGCCCGCTGGTGACCACTCGCCGCCCTCCGGAGGCTTC
ACCCGCGCCCTCCCCAGGACGCGCCAGCGGAGCTCCGGCTCCTTCGCCCTGGACGCGGA
GGCCGCGGTGTGCGGGGCGACGGCGAGGCCGGAAGATGGCCTGGGTGCTCAAGATGGACG
AGGTGATCGAGTCCGGGCTGGTGCACGACTTCGACGCCAGCCTTCGGGCATCGGGCAGG
AACTGGGCGCCGCGCTTACAGCATGAGTGATGTCTTGGCATTGCCATTTTCAAGCAGG
AAGATTCCAGCCTTCCATTGGATGGTGAACAGAGCACCACCCTTTCAGTATGTGATGT
GTGCTGCAACGTCACCAGCAGTAAAAGTGCATGATGAAACGCTTACTTATTTGAACCAAG
GTCAGTCATATGAAATTCGGATGCTGGATAATCGGAAAATGGGTGATATGCCTGAGATCA
ATGAAAATTAGTAAAGAGCATCATAAGGGTTGTATTCCATGACAGACGGCTACAATACA
CAGAGCATCAGCAACTTGAAGGATGGAAGTGAATCGCCCAGGAGACAGACTTCTTGATT
TAGATATTTCCAATGTCTGTGGGAATAATTGACACAAGGACGAATCCAAGCCAGTTAAATG
CGGTTGAATTTCTGTGGGACCCAGCAAACGCACCTCTGCTTTCATTANGTACACTGCAT
CAGCACAGAATTTACTCCACGGAAGCAGGAGGTGAAAAGGGAGTGCCCTTTAGATCCA
GNTGACACCTTTAGCA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014517 unedited NTCACCTCTGGAACCGCGGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTTGCA AAACAATCAGAAAACATTTATTACTCGAAATGTGTACACTCCTACTATNTAAAAAAC AAAGTAACAAATTTGCGTGGTGCCAAAATTTATTTAGCCTGTTTCACTGGGACAACTCA CGTTCAATGCCACTCAGTATAATTTCAAGTCTGATAAGCATCTAAGTATTTTTACCCCGC TTCTAAAACCTGATGAGGAATTCAAAATAAGCACACAGCATTAAATGACATTTATTGTTT CATAAATCTTGAGACCCAAAAAGGAATGCTAAATAGACAAGCAAACCTTTAAAAACAAC GAGATAAACTCACTTCTTTCCCCAGTGGTACAGAAAACATGTGGTCACACGAAAGC AAAGGGAAAAAGTCAGAAAGGAAAACCTCTGCCTATAGGATCTATAGGAGTTACAGATA TTTTCAAATCGATGATGAAAATAGATCGTGCTTCTTTGTAGCAAATAATTAACCCCTTT ATGAATAAAACATAAAATGTCAAAGCTTTACTACTGAAAGTAGTTTGTCTTCTGGGAGA GATTTCAAACCTAAAATTAATCATTTCCTATTTTTTGCCTGAACACAATGAGGATCCAAT AGTACATTCAAATCAGGACACCTGGGTATATGGACAAAGATTTCTACCATTAATGGA ATAGAAGTTTAAAAAAATTCAGTCCCCTACACCCAGGCCTAAAACAAGCTTGCTGATG GATCCTGGGAAGTTTGGAAATGAAGACCGACATTTGGGAAGAAAGTGAAACCAGGGGAT TCCTTTGAAAAGATTGCTACCCACCAACCTTTTGGTTTTATTAAGAGGCCCTCTTTT AAAAAAACCTTCTTTGGGGGCTTAAAAACCCCTAAACTCTCAC
Restriction Sites:	NotI-NotI
ACCN:	NM_014517
Insert Size:	3810 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).
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:	<u>NM_014517.2</u> , <u>NP_055332.2</u>
RefSeq Size:	4160 bp
RefSeq ORF:	1623 bp
Locus ID:	7342
UniProt ID:	<u>Q9NZI7</u>
Cytogenetics:	3p22.3
Domains:	CP2
Protein Families:	Transcription Factors

Gene Summary:

Functions as a transcriptional activator in a promoter context-dependent manner. Modulates the placental expression of CYP11A1. 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 (By similarity). Involved in regulation of the alpha-globin gene in erythroid cells. Binds strongly to sequences around the HIV-1 initiation site and weakly over the TATA-box. Represses HIV-1 transcription by inhibiting the binding of TFIID to the TATA-box.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (LBP-1b). Variants 1 and 3 encode the same isoform.