

Product datasheet for RC225928L3

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Upstream Binding Protein 1 (UBP1) (NM_001128161) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Upstream Binding Protein 1 (UBP1) (NM 001128161) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Upstream Binding Protein 1

Synonyms: LBP-1a; LBP-1B; LBP1A; LBP1B

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF

ORF Nucleotide

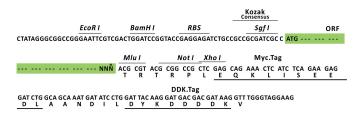
The ORF insert of this clone is exactly the same as(RC225928).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001128161

ORF Size: 1620 bp





Upstream Binding Protein 1 (UBP1) (NM_001128161) Human Tagged Lenti ORF Clone – RC225928L3

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: <u>NM 001128161.1</u>, <u>NP 001121633.1</u>

3p22.3

 RefSeq Size:
 3781 bp

 RefSeq ORF:
 1623 bp

 Locus ID:
 7342

 UniProt ID:
 Q9NZI7

Protein Families: Transcription Factors

MW: 60.5 kDa

Cytogenetics:

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]