

## Product datasheet for **RC215674L1V**

### FUBP1 (NM\_003902) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | FUBP1 (NM_003902) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | FUBP1  |
| Synonyms:                 | FBP; FUBP; hDH V   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_003902  |
| ORF Size:                 | 1932 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC215674).   |
| 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. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_003902.3</a>  |
| RefSeq Size:              | 2884 bp  |
| RefSeq ORF:               | 1935 bp  |
| Locus ID:                 | 8880   |
| UniProt ID:               | <a href="#">Q96AE4</a>   |
| Cytogenetics:             | 1p31.1   |
| Domains:                  | KH   |
| Protein Families:         | Stem cell - Pluripotency, Transcription Factors  |



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**MW:** 67.4 kDa

**Gene Summary:** The protein encoded by this gene is a single stranded DNA-binding protein that binds to multiple DNA elements, including the far upstream element (FUSE) located upstream of c-myc. Binding to FUSE occurs on the non-coding strand, and is important to the regulation of c-myc in undifferentiated cells. This protein contains three domains, an amphipathic helix N-terminal domain, a DNA-binding central domain, and a C-terminal transactivation domain that contains three tyrosine-rich motifs. The N-terminal domain is thought to repress the activity of the C-terminal domain. This protein is also thought to bind RNA, and contains 3'-5' helicase activity with in vitro activity on both DNA-DNA and RNA-RNA duplexes. Aberrant expression of this gene has been found in malignant tissues, and this gene is important to neural system and lung development. Binding of this protein to viral RNA is thought to play a role in several viral diseases, including hepatitis C and hand, foot and mouth disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]