

Product datasheet for **RC217920L4V**

USP45 (NM_001080481) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | USP45 (NM_001080481) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | USP45 |
| Synonyms: | LCA19 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001080481 |
| ORF Size: | 2442 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC217920). |
| 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. |
| RefSeq: | NM_001080481.1 , NP_001073950.1 |
| RefSeq Size: | 6388 bp |
| RefSeq ORF: | 2445 bp |
| Locus ID: | 85015 |
| UniProt ID: | Q70EL2 |
| Cytogenetics: | 6q16.2 |
| Protein Families: | Druggable Genome, Protease |
| MW: | 91.6 kDa |



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Gene Summary:

The protein encoded by this gene is a deubiquitylase that binds ERCC1, the catalytic subunit of the XPF-ERCC1 DNA repair endonuclease. This endonuclease is a critical regulator of DNA repair processes, and the deubiquitylase activity of the encoded protein is important for maintaining the DNA repair ability of XPF-ERCC1. [provided by RefSeq, Sep 2016]