

Product datasheet for **MR226490L3V**

Usp14 (NM_021522) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Usp14 (NM_021522) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Usp14 |
| Synonyms: | 2610005K12Rik; 2610037B11Rik; AW107924; ax; C78769; nmf375 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_021522 |
| ORF Size: | 1479 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR226490). |
| 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_021522.4 , NP_067497.2 |
| RefSeq Size: | 4185 bp |
| RefSeq ORF: | 1482 bp |
| Locus ID: | 59025 |
| UniProt ID: | Q9JMA1 |
| Cytogenetics: | 18 4.91 cM |



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Gene Summary:

Proteasome-associated deubiquitinase which releases ubiquitin from the proteasome targeted ubiquitinated proteins. Ensures the regeneration of ubiquitin at the proteasome. Is a reversibly associated subunit of the proteasome and a large fraction of proteasome-free protein exists within the cell. Required for the degradation of the chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis. Serves also as a physiological inhibitor of endoplasmic reticulum-associated degradation (ERAD) under the non-stressed condition by inhibiting the degradation of unfolded endoplasmic reticulum proteins via interaction with ERN1. Plays a role in the innate immune defense against viruses by stabilizing the viral DNA sensor CGAS and thus inhibiting its autophagic degradation.[UniProtKB/Swiss-Prot Function]