**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

# Product datasheet for MR226240L3V

## Ddrgk1 (NM_029832) Mouse Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Symbol:** | Ddrgk1 |
| **Synonyms:** | 1110001I20Rik; 2600009E05Rik; AI326138; Ufbp1 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_029832 |
| **ORF Size:** | 945 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(MR226240). |
| **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_029832.2, NP_084108.1 |
| **RefSeq Size:** | 1101 bp |
| **RefSeq ORF:** | 948 bp |
| **Locus ID:** | 77006 |
| **UniProt ID:** | Q80WW9 |
| **Cytogenetics:** | 2 F1 |

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**Gene Summary:** Protein which interacts with the E3 UFM1-protein ligase UFL1 and one of its substrates TRIP4 and is required for TRIP4 ufmylation. Through TRIP4 ufmylation may regulate nuclear receptors-mediated transcription. May play a role in NF-kappa-B-mediated transcription through regulation of the phosphorylation and the degradation of NFKBIA, the inhibitor of NF-kappa-B (By similarity). May also play a role in the cellular response to endoplasmic reticulum stress (PubMed:21494687). Plays a role in cartilage development through SOX9, inhibiting the ubiquitin-mediated proteasomal degradation of this transcriptional regulator (PubMed:28263186).[UniProtKB/Swiss-Prot Function]

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