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# Product datasheet for RC230416L4V

## Kaiso (ZBTB33) (NM_001184742) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Kaiso (ZBTB33) (NM_001184742) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Kaiso |
| **Synonyms:** | ZNF-kaiso; ZNF348 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001184742 |
| **ORF Size:** | 2016 bp |
| **ORF Nucleotide Sequence:** | `The ORF insert of this clone is exactly the same as(RC230416).` |
| **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_001184742.1 |
| **RefSeq ORF:** | 2019 bp |
| **Locus ID:** | 10009 |
| **UniProt ID:** | Q86T24 |
| **Cytogenetics:** | Xq24 |
| **MW:** | 74.9 kDa |

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**Gene Summary:** This gene encodes a transcriptional regulator with bimodal DNA-binding specificity, which binds to methylated CGCG and also to the non-methylated consensus KAISO-binding site TCCTGCNA. The protein contains an N-terminal POZ/BTB domain and 3 C-terminal zinc finger motifs. It recruits the N-CoR repressor complex to promote histone deacetylation and the formation of repressive chromatin structures in target gene promoters. It may contribute to the repression of target genes of the Wnt signaling pathway, and may also activate transcription of a subset of target genes by the recruitment of catenin delta-2 (CTNND2). Its interaction with catenin delta-1 (CTNND1) inhibits binding to both methylated and non-methylated DNA. It also interacts directly with the nuclear import receptor Importin-α2 (also known as karyopherin alpha2 or RAG cohort 1), which may mediate nuclear import of this protein. Alternatively spliced transcript variants encoding the same protein have been identified.[provided by RefSeq, May 2010]