

Product datasheet for **SC329054**

Kaiso (ZBTB33) (NM_001184742) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kaiso (ZBTB33) (NM_001184742) Human Untagged Clone
Tag:	Tag Free
Symbol:	Kaiso
Synonyms:	ZNF-kaiso; ZNF348
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>SC329054 representing NM_001184742.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCCGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
ATGGAGAGTAGAAAACTGATTTCTGCTACAGACATTCAGTACTCTGGCAGTCTGCTGAACTCCTTGAAT
GAGCAACGTGGCCATGGACTCTTCTGTGATGTTACCGTTATTGTGGAAGACCGAAAAATCCGGGCTCAC
AAGAATATTCCTTCAGCTTCTAGTACCTACTTCCATCAGCTCTTCTCTGTTGCTGGGCAAGTTGTTGAA
CTGAGCTTTATAAGAGCAGAGATCTTTCAGAAAATCTCAATTATATCTATAGTTCTAAAATTGTTTCGT
GTTAGATCAGATTTGCTTGATGAGTTAATTAATCAGGGCAGTTATTAGGAGTGAAATTTATAGCAGAG
CTTGGTGTCCCATGTCACAGGTTAAAGCATCTCAGGTACAGCGCAGGATGGTAATACTGAGCCCTTTA
CCTCCTGATTCTGGTGACAAGAACCTTGTAATACAGAAATCAAAAGATGAAGCCCAAGATAATGGGGCT
ACTATAATGCCTATTATAACAGAGTCTTTTTCATTATCTGCCGAAGATTATGAAATGAAAAAGATCATT
GTTACCGATTCTGATGATGATGATGATGATGTCATTTTTTCTCCGAGATTCTGCCACAAAGGAGACT
TTGCCGAGTAATAACACAGTGGCACAGGTCCAATCTAACCAGGCCCTGTTGCTATTTTCAGATGTTGCA
CCTAGTGCTAGCAATAACTCGCCCCCTTTAACAAATATCACACCTACTCAGAAACTTCCTACTCCTGTG
AATCAGGCAACTTTGAGCCAAACACAAGGAAGTGA AAAATGTTGGTATCTTCAGCTCCAACACATCTG
ACTCCCAATATTATTTTGTAAATCAGACACCACTTTCTACACCACCAAAATGTCA GTTCTTCACTTCCA
AATCATATGCCCTCTTCAATCAATTTACTTGTGCAGAAATCAGCAGACACCAAAACAGTGCTATTTTAACA
GGAAACAAGGCCAATGAAGAGGAGGAGGAGGAAATAATAGATGATGATGATGACACTATTAGCTCCAGT
CCTGACTCGGCCGTAGTAATACATCTTTGGTCCCACAGGCTGATACCTCCCAAAATACCA GTTTTGAT
TGATCATTAAATACAGAAGATGCAGATTCTACACTCTCTGAAGAACCACCTTCCAATTCCCTTAAAAAT
TCAGATAATAATTACTAGAAATACTAATGATCCAGGCGTAGGATCAAAACACTAATGCGGTGAGAAAG
ATCATTACTTTAGATACAGCTACTGAAATTGAAGGCTTATCGACTGGTGAAGGTTTATGCAAAATATC
GGTGAAGATACTTATGATATAGTGATCCCTGTCAAAGATGACCCTGATGAAGGGGAGGCCAGACTTGAG
AATGAAATACCAAAAACGTCTGGCAGCGAGATGGCAAAACAAACGTATGAAAGTAAAAACATGATGATCAC
TATGAGTTAATAGTAGATGGAAGGGTCTATTATATCTGTATTGTATGCAAAAGGTCATATGTCTGTCTG
ACAAGCTTGGGAGACATTTTAACTTCATTCTTGGGAGAAGAAGTATCCGTGCCGTTACTGTGAGAAG
GTATTTCTCTTGCAGAAATATCGCACAAAGCATGAAATTCATCACACAGGGGAGCGAAGGTATCAGTGT
TTGGCCTGTGGCAAATCTTTTCATCACTATCAGTTTATGTCTTCACATATAAAGTCAGTTTCATAGTCAA
GATCCTTCTGGGGACTCAAAGCTTTATCGTTTACATCCATGCAGGCTTTTACAAATCAGACAATATGCA
TATCTTTCCGATAGATCAAGCACTATTCTGCAATGAAGGATGATGGTATTGGGTATAAGGTTGACACT
GGAAAAGAACCTCCAGTAGGGACCACTACATCTACTCAGAACAAAGCCAATGACCTGGGAAGATATTTT
ATTACAGCAGGAAATGATTCATTTTAAACAAAATGTAAACAGATGGCAGTACTGAGTTTGAAATTTATA
ATACCAAGAGTCTTAA**TA**
ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TGACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-MluI

ACCN: NM 001184742

Insert Size: 2019 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001184742.1</u>
RefSeq Size:	5324 bp
RefSeq ORF:	2019 bp
Locus ID:	10009
UniProt ID:	<u>Q86T24</u>
Cytogenetics:	Xq24
MW:	74.5 kDa
Gene Summary:	<p>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 α2 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]</p> <p>Transcript Variant: This variant (1) is the longer transcript. Variants 1 and 2 encode the same protein.</p>