

Product datasheet for MR215014L3V

OriGene Technologies, Inc.

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1700028K03Rik (NM_182745) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: 1700028K03Rik (NM_182745) Mouse Tagged ORF Clone Lentiviral Particle

Symbol: 1700028K03Rik

Synonyms: MGC117884

Mammalian Cell Pur

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

ACCN: NM_182745

ORF Size: 558 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(MR215014).

OTI Disclaimer:

Sequence:

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

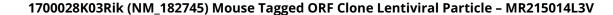
varies depending on the nature of the gene.

RefSeg: NM 182745.2, NP 877422.1

RefSeq Size: 795 bp
RefSeq ORF: 561 bp
Locus ID: 76421
UniProt ID: Q3KQP7

Cytogenetics: 5 F







Gene Summary:

Plays a key role in reinforcing the integrity of the central element of the synaptonemal complex (SC) thereby stabilizing SC, ensuring progression of meiotic prophase I in male and female germ cells (PubMed:30949703). Promotes homologous recombination and crossing-over in meiotic prophase I via its association with SHOC1 (PubMed:30746471). Required for the localization of TEX11 and MSH4 to recombination intermediates (PubMed:30746471). [UniProtKB/Swiss-Prot Function]