

Product datasheet for **MR227183L3V**

Trip13 (NM_027182) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Trip13 (NM_027182) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Trip13
Synonyms:	2410002G23Rik; D13ErtD328e
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_027182
ORF Size:	1299 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227183).
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_027182.2 , NP_081458.1
RefSeq Size:	2267 bp
RefSeq ORF:	1299 bp
Locus ID:	69716
UniProt ID:	Q3UA06
Cytogenetics:	13 40.15 cM


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Gene Summary:

Plays a key role in chromosome recombination and chromosome structure development during meiosis. Required at early steps in meiotic recombination that leads to non-crossovers pathways. Also needed for efficient completion of homologous synapsis by influencing crossover distribution along the chromosomes affecting both crossovers and non-crossovers pathways. Also required for development of higher-order chromosome structures and is needed for synaptonemal-complex formation. In males, required for efficient synapsis of the sex chromosomes and for sex body formation. Promotes early steps of the DNA double-strand breaks (DSBs) repair process upstream of the assembly of RAD51 complexes. Required for depletion of HORMAD1 and HORMAD2 from synapsed chromosomes (PubMed:17696610, PubMed:19851446, PubMed:20711356). Plays a role in mitotic spindle assembly checkpoint (SAC) activation (By similarity).[UniProtKB/Swiss-Prot Function]