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Product datasheet for RC221591L3V

MLH3 (NM_001040108) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MLH3 (NM_001040108) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MLH3
Synonyms:	HNPCC7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001040108
ORF Size:	4359 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221591).
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_001040108.1
RefSeq Size:	7911 bp
RefSeq ORF:	4362 bp
Locus ID:	27030
UniProt ID:	Q9UHC1
Cytogenetics:	14q24.3
Protein Families:	Druggable Genome
Protein Pathways:	Mismatch repair

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MW: 163.5 kDa

Gene Summary: This gene is a member of the MutL-homolog (MLH) family of DNA mismatch repair (MMR) genes. MLH genes are implicated in maintaining genomic integrity during DNA replication and after meiotic recombination. The protein encoded by this gene functions as a heterodimer with other family members. Somatic mutations in this gene frequently occur in tumors exhibiting microsatellite instability, and germline mutations have been linked to hereditary nonpolyposis colorectal cancer type 7 (HNPCC7). Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq, Jul 2008]