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Product datasheet for MR202419L3V

Psmc3ip (NM_008949) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Psmc3ip (NM_008949) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Psmc3ip
Synonyms:	C79099; GT198; HOP2; Tbpip
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_008949
ORF Size:	654 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR202419).`
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_008949.2
RefSeq Size:	984 bp
RefSeq ORF:	654 bp
Locus ID:	19183
UniProt ID:	O35047
Cytogenetics:	11 D

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Gene Summary: Plays an important role in meiotic recombination. Stimulates DMC1-mediated strand exchange required for pairing homologous chromosomes during meiosis. The complex PSMC3IP/MND1 binds DNA, stimulates the recombinase activity of DMC1 as well as DMC1 D-loop formation from double-strand DNA. This complex stabilizes presynaptic RAD51 and DMC1 filaments formed on single strand DNA to capture double-strand DNA. This complex stimulates both synaptic and presynaptic critical steps in RAD51 and DMC1-promoted homologous pairing. May inhibit HIV-1 viral protein TAT activity and modulate the activity of proteasomes through association with PSMC3.[UniProtKB/Swiss-Prot Function]