Product datasheet for MR218730L3V

Prex1 (NM_177782) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Prex1 (NM_177782) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Prex1
Synonyms:	G630042G04; P-REX1; Setd6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_177782
ORF Size:	4950 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218730).
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_177782.3, NP_808450.2
RefSeq Size:	6530 bp
RefSeq ORF:	4953 bp
Locus ID:	277360
UniProt ID:	Q69ZK0
Cytogenetics:	2 H3

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Gene Summary: Functions as a RAC guanine nucleotide exchange factor (GEF), which activates the Rac proteins by exchanging bound GDP for free GTP. Its activity is synergistically activated by phosphatidylinositol 3,4,5-trisphosphate and the beta gamma subunits of heterotrimeric G protein. May function downstream of heterotrimeric G proteins in neutrophils (By similarity). [UniProtKB/Swiss-Prot Function]