

Product datasheet for **MR211757L3V**

Prag1 (NM_172911) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Prag1 (NM_172911) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Prag1
Synonyms:	9830148H23; D8Ertd82e; mFLJ00269; NACK; Sgk223
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_172911
ORF Size:	4119 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211757).
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_172911.3 , NP_766499.2
RefSeq Size:	4780 bp
RefSeq ORF:	4122 bp
Locus ID:	244418
UniProt ID:	Q57114
Cytogenetics:	8 22.78 cM



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Gene Summary:

Catalytically inactive protein kinase that acts as a scaffold protein (By similarity). Functions as an effector of the small GTPase RND2, which stimulates RhoA activity and inhibits NGF-induced neurite outgrowth (By similarity). Promotes Src family kinase (SFK) signaling by regulating the subcellular localization of CSK, a negative regulator of these kinases, leading to the regulation of cell morphology and motility by a CSK-dependent mechanism (By similarity). Acts as a critical coactivator of Notch signaling (PubMed:25038227).[UniProtKB/Swiss-Prot Function]