Product datasheet for MR224766L3V

Shb (NM_001033306) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Shb (NM_001033306) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Shb
Synonyms:	BC028832
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001033306
ORF Size:	1509 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224766).
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_001033306.1, NP_001028478.1
RefSeq Size:	2762 bp
RefSeq ORF:	1512 bp
Locus ID:	230126
UniProt ID:	Q6PD21
Cytogenetics:	4 B1

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Gene Summary: Adapter protein which regulates several signal transduction cascades by linking activated receptors to downstream signaling components. May play a role in angiogenesis by regulating FGFR1, VEGFR2 and PDGFR signaling. May also play a role in T-cell antigen receptor/TCR signaling, interleukin-2 signaling, apoptosis and neuronal cells differentiation by mediating basic-FGF and NGF-induced signaling cascades. May also regulate IRS1 and IRS2 signaling in insulin-producing cells (By similarity).[UniProtKB/Swiss-Prot Function]