

Product datasheet for **MR211365L4V**

Epha1 (NM_023580) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Epha1 (NM_023580) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Epha1
Synonyms:	5730453L17Rik; AL033318; Eph; Esk
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_023580
ORF Size:	2934 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211365).
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_023580.2 , NP_076069.2
RefSeq Size:	3273 bp
RefSeq ORF:	2934 bp
Locus ID:	13835
UniProt ID:	Q60750
Cytogenetics:	6 B2.1


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Gene Summary:

Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Binds with a low affinity EFNA3 and EFNA4 and with a high affinity to EFNA1 which most probably constitutes its cognate/functional ligand. Upon activation by EFNA1 induces cell attachment to the extracellular matrix inhibiting cell spreading and motility through regulation of ILK and downstream RHOA and RAC. Plays also a role in angiogenesis and regulates cell proliferation. May play a role in apoptosis.[UniProtKB/Swiss-Prot Function]