

## Product datasheet for **RC214301L1V**

### Eph receptor B1 (EPHB1) (NM\_004441) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Eph receptor B1 (EPHB1) (NM_004441) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EPHB1
Synonyms:	ELK; EPHT2; Hek6; NET
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_004441
ORF Size:	2952 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214301).
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. <a href="#">More info</a>
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:	<a href="#">NM_004441.3</a>
RefSeq Size:	4536 bp
RefSeq ORF:	2955 bp
Locus ID:	2047
UniProt ID:	<a href="#">P54762</a>
Cytogenetics:	3q22.2
Domains:	pkinese, EPH_lbd, TyrKc, SAM, S_TKc, FN3
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane



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**Protein Pathways:** Axon guidance

**MW:** 109.9 kDa

**Gene Summary:** Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene is a receptor for ephrin-B family members. [provided by RefSeq, Jul 2008]