

## Product datasheet for **RC208559L4V**

### Eph receptor B4 (EPHB4) (NM\_004444) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Eph receptor B4 (EPHB4) (NM_004444) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Eph receptor B4
Synonyms:	CMAVM2; HFASD; HTK; LMPHM7; MYK1; TYRO11
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004444
ORF Size:	2961 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208559).
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_004444.4</a>
RefSeq Size:	4369 bp
RefSeq ORF:	2964 bp
Locus ID:	2050
UniProt ID:	<a href="#">P54760</a>
Cytogenetics:	7q22.1
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:** 108.27 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 binds to ephrin-B2 and plays an essential role in vascular development. [provided by RefSeq, Jul 2008]