

Product datasheet for **MR225676L3V**

Ephb2 (NM_010142) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Ephb2 (NM_010142) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Ephb2 |
| Synonyms: | Cek5; Dr; Drt; Er; Erk; ETECK; Hek5; Nu; Nuk; Prk; Prkm5; Qek5; Sek; Sek3; Tyr; Tyro5 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_010142 |
| ORF Size: | 2958 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR225676). |
| 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_010142.2 , NP_034272.1 |
| RefSeq Size: | 4780 bp |
| RefSeq ORF: | 2961 bp |
| Locus ID: | 13844 |
| UniProt ID: | P54763 |
| Cytogenetics: | 4 69.0 cM |



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Gene Summary:

This gene encodes a member of the Eph receptor family of receptor tyrosine kinase transmembrane glycoproteins. These receptors consist of an N-terminal glycosylated ligand-binding domain, a transmembrane region and an intracellular kinase domain. The encoded receptor preferentially binds membrane-bound ephrin-B ligands and is involved in nervous system and vascular development. This gene is used as a marker of intestinal stem cells. Homozygous knockout mice for this gene exhibit impaired axon guidance and vestibular function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]