

## Product datasheet for **KN208559LP**

### Eph receptor B4 (EPHB4) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	Eph receptor B4
Locus ID:	2050
Components:	<b>KN208559G1</b> , Eph receptor B4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCTTCGTTGGCCGAGCTT <b>KN208559G2</b> , Eph receptor B4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGGTGAGTTTCCTTGCGGGG <b>KN208559LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector

**Disclaimer:** These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

**RefSeq:** [NM\\_004444](#)

**UniProt ID:** [P54760](#)

**Synonyms:** HTK; MYK1; TYRO11

**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]



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Product images:

