

**Product Name: Recombinant Human EFNB1 (C-6His)**  
**Catalog #: PHH0595**

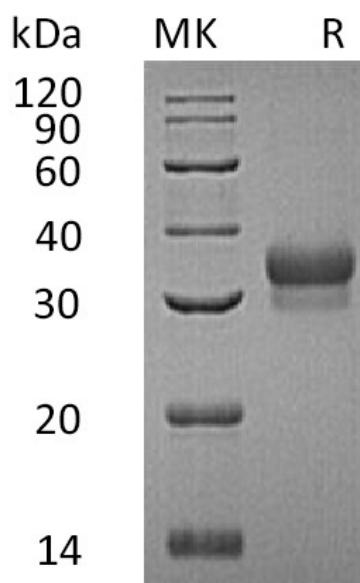


## Summary

<b>Name</b>	Ephrin-B1/EFNB1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Ephrin-B1 is produced by our Mammalian expression system and the target gene encoding Leu28-Gly232 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	P98172
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	23.4 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image

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### Alternative Names

Ephrin-B1;EFL-3; ELK ligand; EPH-related receptor tyrosine kinase ligand 2;LERK-2

### Background

Ephrin-B1, also named EFL-3, ELK ligand, EPH-related receptor tyrosine kinase ligand 2, is a single-pass type I membrane protein. It contains 1 ephrin RBD (ephrin receptor-binding) domain and belongs to the ephrin family. 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. All ephrins share a conserved extracellular sequence, which most likely corresponds to the receptor-binding domain. Ephrin-B1 has been shown to bind EphA3, EphB1, EphB2, EphB3, and EphB4. The extracellular domains of human and mouse ephrin-B1 share 94% amino acid identity.

### Note

For Research Use Only , Not for Diagnostic Use.