

## Recombinant Human Ephrin-B2/EFNB2 Protein (His Tag)

**Catalog No.** PKSH032395

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

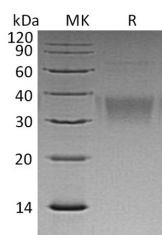
### Description

<b>Synonyms</b>	Ephrin-B2;EPH-Related Receptor Tyrosine Kinase Ligand 5;LERK-5;HTK Ligand;HTK-L;EFNB2;EPLG5;HTKL;LERK5
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ile28-Ala229
<b>Accession</b>	P52799
<b>Calculated Molecular Weight</b>	23.2 kDa
<b>Observed molecular weight</b>	30-40 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



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### Background

Ephrin-B2 is a type I transmembrane protein and belongs the Ephrin family. It binds to the receptor tyrosine kinases, such

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as EPHA4, EPHB4 and EPHA3. Ephrin-B2 has been implicated in mediating developmental events, especially in the nervous system, erythropoiesis and tumour metastasis. Ligation of Ephrin-B2 with complementary EphB receptors on adjacent cells results in a combination of forward (EphB receptors) and reverse (Ephrin-B2) signalling, which is central to tissue development and remodelling functions. In addition, Ephrin-B2 may play a role in constraining the orientation of longitudinally projecting axons.