



<b>Alternname:</b>	Ephrin-B2; EPH-Related Receptor Tyrosine Kinase Ligand 5; LERK-5; HTK Ligand; HTK-L; EFNB2; EPLG5; HTKL; LERK5
<b>Storage/Stability:</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Background:</b>	Ephrin-B2 is a type I transmembrane protein and belongs the Ephrin family. It binds to the receptor tyrosine kinases, such 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.
<b>Species:</b>	Human
<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 100 µg/ml. Dissolve the lyophilized protein in ddH2O.

	Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Endotoxin:</b>	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
<b>Purity:</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Description:</b>	Recombinant Human Ephrin-B2 is produced by our Mammalian expression system and the target gene encoding Ile28-Ala229 is expressed with a 6His tag at the C-terminus.
<b>Product State:</b>	Lyophilized
<b>Ship Description:</b>	The product is shipped at ambient temperature.
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
<b>Expression system:</b>	Human cells