

## 32-8500: Recombinant Mouse Ephrin-B1/EFNB1 (C-Fc-6His)

**Gene :** Efnb1  
**Gene ID :** 13641  
**Uniprot ID :** P52795

### Description

Source: Human Cells.  
MW :49.8kD.

Recombinant Mouse Ephrin-B1 is produced by our Mammalian expression system and the target gene encoding Lys30-Ser229 is expressed with a Fc, 6His tag at the C-terminus. Mouse Ephrin-B1 is a single-pass type I membrane protein which belongs to the ephrin family. It contains an ephrin RBD (ephrin receptor-binding) domain, and expressed in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas. Ephrin-B1 is cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. It binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. It may play a role in cell adhesion and function in the development or maintenance of the nervous system.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** 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.  
**Amino Acid :** KNLEPVSWSLNPFLSGKGLVIYPKIGDKLDIICPRAEAGRPEYKLYLVRPEQAAACSTVLDPNVLVTCNKPH  
QEIRFTIKFQEFSPNYMGLFVKYHYITSTSNGLSLEGNREGGVCRTRTMKIVMKVGQDPNAVTPPEQLTTSR  
PSKESDNTVKTATQAPGRGSQGSDSGKHETVNQEEKSGPGAGGGGSGDSVDDIEGRMDEPKSCDKTHTCPP  
CPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRV  
VSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDI  
AVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKLSLSLSPGKHH  
HHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.