

## 32-3723: EFNB3 Recombinant Protein

**Alternative Name :** Ephrin-B3,EPH-related receptor transmembrane ligand ELK-L3,EPH-related receptor tyrosine kinase ligand 8,LERK-8,EFNB3,EPLG8,LERK8,EFL6.

### Description

Source : E.coli. EFNB3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 224 amino acids (28-226 a.a) and having a molecular mass of 24.6kDa.EFNB3 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Ephrin-B3 (EFNB3) which belongs to the ephrin gene family is essential in brain development as well as in its maintenance. EFNB3 binds to, and induces the collapse of, commissural axons/growth cones in vitro. EFNB3 loosely binds Eph receptors located on bordering cells, leading to contact-dependent bidirectional signaling into neighboring cells. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and are implicated in mediating developmental events, mostly in the nervous system.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** EFNB3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 2M urea.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSHTMLSLEP VYWNSANKRF QAEGGYVLYP QIGDRDLDC  
PRARPPGPHS SPNYEFYKLY LVGGAQGRRC EAPPAPNLLL TCDRPDLDR FTIKFQEYSP NLWGHEFRSH  
HDYYIIATSD GTREGLESLO GGVCLTRGMK VLLRVGQSPR GGAVPRKPVS EMPMERDRGA AHSLEPGKEN  
LPGDPTSNAT SRGAEGPLPP PSMP.