

32-13207: EFNB3 Human, Sf9

Alternative Name : Ephrin B3, EPH-Related Receptor Transmembrane Ligand ELK-L3, Ephrin-B3, EPLG8, LERK8, Eph-Related Receptor Tyrosine Kinase Ligand 8, EPH-Related Receptor Tyrosine Kinase Ligand 8, LERK-8, EFL6, Ephrin-B3, EPH-related receptor transmembrane ligand ELK-L3, EPH-related receptor tyrosine kinase ligand 8, LERK-8.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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.

EFNB3 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 208 amino acids (28-226a.a.) and having a molecular mass of 23.0kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). EFNB3 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 95% as determined by SDS-PAGE.

Content : EFNB3 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

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 : ADPLSLEPVY WNSANKRFQA EGGYVLYPQI GDRLDLLCPR ARPPGPHSSP NYEFYKLYLV GGAQGRRCEA PPAPNLLTTC DRPDLDLRFY IKFQEYSPNL WGHEFRSHHD YYIATSDGT REGLESQGG VCLTRGMKVL LRVGQSPRGG AVPRKPVSEM PMERDRGAAH SLEPGKENLP GDPTSNATSR GAEGPLPPPS MPHSHHHH.