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EFNB3 Human

Catalog #:PRPS-1176

For research use only.

Description: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.

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

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMLSLEP VYWNSANKRF QAEGGYVLYP QIGDRLDLLC PRARPPGPHS SPNYEFYKLY LVGGAQGRRC EAPPAPNLLL TCDRPDLDLR FTIKFQEYSP NLWGHEFRSH HDYYIIATSD GTREGLESLQ GGVCLTRGMK VLLRVGQSPR GGAVPRKPVS EMPMERDRGA AHSLEPGKEN LPGDPTSNAT SRGAEGPLPP PSMP.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
EFNB3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 2M urea.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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.

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