
Product Data Sheet

Product Name: EFNB3 Human
 Cat. No.: GP23374
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ephrin-B3; EPH-related receptor transmembrane ligand ELK-L3; EPH-related receptor tyrosine kinase ligand 8; LERK-8; EFNB3; EPLG8; LERK8; EFL6.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMLSLP VYWNSANKRF QAEGGYVLYP QIGDRLDLLC PRARPPGPHS SPNYEFYKLY LVGGAQGRRC EAPPAPNLLL TCDRPDLDLR FTIKFQEYSP NLWGHEFRSH HDYIIATSD GTREGLESLO GGVCLTRGMK VLLRVGQSPR GGAVPRKPVV EMPMERDRGA AHSLEPGKEN LPGDPTSNAT SRGAEGPLPP PSMP.		
Formulation	EFNB3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 2M urea.		

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.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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