

Product information



EFNB3, 28-226aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1658

Full name: Ephrin-B3

NCBI Accession No.: NP_001397

Synonyms: EFL6, EPLG8, LERK8

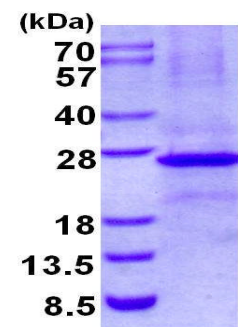
Description: EFNB3, also known as ephrin-B3, a member of the ephrin gene family, is important in brain development as well as in its maintenance. It binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Binds to, and induce the collapse of, commissural axons/growth cones in vitro. Recombinant human EFNB3 protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol,
0.1M NaCl, 2M urea

Molecular Weight: 24.6 kDa (224aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMLSLPEP VYWNSANKRF QAEGGYVLYP QIGDRLDLLC PRARPPGPHS SPNYEFYKLY LVGGAQGRRCEAPPAPNLLL TCDRPLDLR FTIKFQEYSP NLWGHEFRSH HDYYI IATSD GTREGLESLQ GGVLTRGMK VLLRVGQSPR GGAVPRKPVS EMPMERDRGA AHSLEPGKEN LPGDPTS NAT SRGAEGPLPP PSMP

General references:

Negrete O.A., *et al.* (2006) *PLoS Pathog.* 2:78-86

Brueckner K., *et al.* (1999) *Neuron.* 22:511-524

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA

Phone: (888) 523-1246

Fax.: (763) 780-2988

Email: info@ibl-america.com

Web: www.ibl-america.com