
Product Data Sheet

Product Name: EFNB1 Human
 Cat. No.: GP23370
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ephrin-B1; LERK2; EPLG2; Elk-L; EPH-related receptor tyrosine kinase ligand 2; EFL-3; ELK ligand; CFND; CFNS; Craniofrontonasal Syndrome (craniofrontonasal dysplasia); MGC8782.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MLAKNLEPVS WSSLNPKFLS GKGLVIYPKI GDKLDIICPR AEAGRPYEEY KLYLVRPEQA AACSTVLDPN VLVTCNRPEQ EIRFTIKFQE FSPNYMGLEF KKHHDYYITS TSNGSLEGLE NREGGVCRTTR TMKIIMKVGQ DPNAVTPPEQL TTSRPSKEAD NTVKMATQAP GSRGSLGDSD GKHETVNQEE KSGPGASGGS SGDPDGGFFNS K		
Formulation	The EFNB1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 5% glycerol.		

Introduction

EFNB1 is a member of the Eph family. The cell-surface proteins Ephrins split into two groups, ephrin-A and ephrin-B, based on their structure and function and perform as ligands for Eph receptors. The transmembrane EFNB1 proteins have conserved cytoplasmic tyrosine residues that are phosphorylated upon interaction with an EphB receptor. In addition, EFNB1 transduces outside-in signals by C-terminal protein interfaces which influence integrin-mediated cell attachment and migration.

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

EFNB1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

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

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chain containing 231 amino acids (28-237) and having a molecular mass of 25.3 kDa. The EFN1 is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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