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Recombinant Human Ephrin-B1

CLPRO918
CLPRO918-2
CLPRO918-3

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.

Description: EFNB1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 231 amino acids (28-237) and having a molecular mass of 25.3 kDa. The EFNB1 is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Source: *Escherichia Coli*.

Presentation: 5 µg (CLPRO918), 20 µg (CLPRO918-2), or 1 mg (CLPRO918-3), sterile filtered colorless solution. The EFNB1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 5% glycerol.

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.

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

Amino acid sequence: MGSSHHHHHH SGLVPRGSH MLAKNLEPVS WSSLNPKFLS GKGLVIYPKI
GDKLDIICPR AEAGRPYEEY KLYLVRPEQA AACSTVLDPN VLVTCNRPEQ EIRFTIKFQE FSPNYMGLEF
KKHHDYYITS TSNGSLEGLE NREGGVCRTT TMKIIMKVGQ DPNVTPTEQL TTSRPSKEAD
NTVKMATQAP GSRGSLGSDS GKHETVNQEE KSGPGASGGS SGDPDGGFFNS K

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