

32-7419: Recombinant Human Ephrin-B2/EFNB2 (C-6His)

Gene : EFNB2
Gene ID : 1948
Uniprot ID : P52799

Description

Source: Human Cells.
MW :23.24kD.

Recombinant Human Ephrin-B2 is produced by our Mammalian expression system and the target gene encoding Ile28-Ala229 is expressed with a 6His tag at the C-terminus. Ephrin-B2 is a type I transmembrane protein and belongs the Ephrin family. It binds to the receptor tyrosine kinases, such as EPHA4, EPHB4 and EPHA3. Ephrin-B2 has been implicated in mediating developmental events, especially in the nervous system, erythropoiesis and tumour metastasis. Ligation of Ephrin-B2 with complementary EphB receptors on adjacent cells results in a combination of forward (EphB receptors) and reverse (Ephrin-B2) signalling, which is central to tissue development and remodelling functions. In addition, Ephrin-B2 may play a role in constraining the orientation of longitudinally projecting axons.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : IVLEPIYWNSSNSKFLPGQGLVLYPQIGDKLDIICPKVDSKTVGQY EYK VYMVDKDQADRCTIKKENTPLLNCAK PDQDIKFTIKFQEFSPNLWGLEFQKNKDYYIISTNGSLEGLDNQEGGVCQTRAMKILMKVGQDASSAGSTRNK DPTRRPELEAGTNGRSSTTSPFVKPNPGSSTDGNSAGHSGNNILGSEVALFAVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.