Active Recombinant Human EFNB1 protein, His-tagged

Cat. No. EFNB1-2238H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EFNB1 protein (NP_004420.1)(Met 1-Lys 237) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met 1-Lys 237
Form	Lyophilized from sterile PBS, pH 7.4
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant human EphrinB1 at 10 μg/ml (100 μl/well) can bind human EphB6 with a linear range of 0.16-4 μg/ml.
Molecular Mass	The recombinant human EFNB1 consists of 221 amino acids and predicts a molecular mass of 24.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh EFNB1 is approximately 38 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	EFNB1 ephrin-B1 [Homo sapiens]
Official Symbol	EFNB1
Synonyms	EFNB1; ephrin-B1; CFNS, craniofrontonasal syndrome (craniofrontonasal dysplasia) , EPLG2; Elk L; LERK2; EFL-3; LERK-2; ELK ligand; ligand of eph-related kinase 2; eph-related receptor tyrosine kinase ligand 2; CFND; CFNS; EFL3; EPLG2; Elk-L; MGC8782
Gene ID	1947
mRNA Refseq	NM_004429
Protein Refseq	NP_004420
MIM	300035
UniProt ID	P98172

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