

Recombinant Human Ephrin-B1

Cat. No. EFNB1-152H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Ephrin B1 protein expressed in <i>E. coli</i> encodes amino acids 136-347 and has a molecular mass of 47 kDa.
Species	Human
Source	E.coli
Protein Length	136-347 a.a.
Description	Ephrins are the ligands which bind to the Eph receptor subfamily, the largest group of the receptor tyrosine kinase family. Both ephrins and Eph receptors are broadly expressed through the ectoderm, mesoderm, and endoderm of vertebrate embryos. Two classes of ephrins exist: Class A ephrins are tethered to the membrane by a GPI linkage and bind primarily to EphA receptors; Class B ephrins contain a membrane-spanning region and bind predominantly to EphB receptors.
Formulation	Recombinant Human Ephrin B1 protein at 100g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Application And Suggested Dilutions	•ELISA •Inhibition Assays •Western Blotting
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 47 kDa.

 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

Storage & Stability

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

GENE INFORMATION
Gene Name

EFNB1 ephrin-B1 [Homo sapiens]

Synonyms

EFNB1; ephrin-B1; CFND; CFNS; EFL3; EPLG2; Elk-L; LERK2; EFL-3; MGC8782; LERK-2; OTTHUMP00000023456; ELK ligand; EPH-related receptor tyrosine kinase ligand; craniofrontonasal syndrome (craniofrontonasal dysplasia); ligand of eph-related kinase 2; ELK-L

Gene ID

1947

mRNA Refseq

NM_004429

Protein Refseq

NP_004420

MIM

300035

UniProt ID

P98172

Chromosome Location

Xq12

Pathway

Axon guidance

Function

ephrin receptor binding; protein binding

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