Recombinant Human Ephrin-B1

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

SPECIFICATION

Product Overview	Recombinant Human Ephrin B1 protein expressed in*E.coli*encodes amino acids 136-347 and has a molecular mass of 47 kDa.
Species	Human
Source	E.coli
ProteinLength	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 100μg/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.

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Storage & Stability	Store vial at -20℃to -80℃. 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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