

Recombinant Human Ephrin-B3

Cat. No. EFNB3-153H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Ephrin B3 protein expressed in <i>E. coli</i> encodes amino acids 135-341 and has a molecular mass of 47 kDa.
Species	Human
Source	E.coli
Protein Length	135-341 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 B3 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.

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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	EFNB3 ephrin-B3 [Homo sapiens]
Synonyms	EFNB3; ephrin-B3; EFL6; EPLG8; LERK8; Ephrin B3 ; eph-related receptor tyrosine kinase ligand 8; LERK-8; EPH-related receptor transmembrane ligand ELK-L3
Gene ID	1949
mRNA Refseq	NM_001406
Protein Refseq	NP_001397
MIM	602297
UniProt ID	Q15768
Chromosome Location	17p13.1-p11.2
Pathway	Axon guidance
Function	ephrin receptor binding; transmembrane-ephrin receptor activity

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