

Recombinant Mouse Ephrin B1

Cat. No. Efnb1-1733M **Lot. No.** (See product label)

SPECIFICATION

Species	Mouse
Source	Mammalian Cells
Description	Ephrin-B1 (EFNB1) is a glycoprotein that is expressed on neuroepithelial cells and post-synaptically on dendritic spines in the cortex, supporting a role in synaptic plasticity in this region. Ephrin-B1 is also highly expressed on developing peripheral nerve fibers including auditory and vestibular (statoacoustic) and dorsal root ganglion nerve fibers and provides guidance signals to these cells. Ephrin-B1 participates in cell-cell repulsive and attractive signaling together with its Eph receptor. Tyrosine phosphorylation of ephrin-B1 promotes invasion of cancer cells in vivo and is a potential therapeutic target in some types of gastrointestinal cancers.
Molecular Weight	The predicted molecular weight of Recombinant Mouse Ephrin-B1 is Mr 49.2 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 60 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to

 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

8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name [Efnb1 ephrin B1 \[Mus musculus \]](#)

Synonyms [Efnb1](#); [ephrin B1](#); [Epl2](#); [EFL-3](#); [Elk-L](#); [Eplg2](#); [Lerk2](#); [Stra1](#); [Cek5-L](#); [LERK-2](#); [Cek ligand](#); [Cek5 ligand](#); [OTTMUSP00000019590](#)

Gene ID [13641](#)

mRNA Refseq [NM_010110](#)

Protein Refseq [NP_034240](#)

UniProt ID [P52795](#)

Chromosome Location [X D](#); [X 37.0 cM](#)

Pathway [Axon guidance](#)

Function [ephrin receptor binding](#); [protein binding](#)

 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