Recombinant Mouse Ephrin B2, Fc-His

Cat. No. Efnb2-1734M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EphrinB2 (Arg27-Ala227) produced in*NSO Cells*was fused to Fc region of human IgG1 (Pro100 - Lys330) - 6xHis tag
Species	Mouse
Source	Mammalian Cells
ProteinLength	27-227 a.a.
Description	Ephrin-B2 (EFNB2) is a transmembrane ligand that is specifically expressed on arterial endothelial cells (ECs) and surrounding cells and interacts with multiple EphB class receptors. Ephrin-B2 plays a role in angiogenesis and regulates the targeted migration of branchial neural crest cells. EFNB2 serves as a functional receptor for both Hendra virus (HeV) and Nipah virus (NiV).
Molecular Weight	The predicted molecular weight of Recombinant Mouse Ephrin-B2 is Mr 49.6 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 60-65 kDa.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Formulation	This recombinant protein was 0.2 μm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or

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	preservatives.
Endotoxin	<1.0 EU/μg as determined by the LAL method.
Biological Activity	The biological activity of Mouse EFNB2 was determined by its ability to compete with biotinylated rmEphrinB2 for binding with immobilized rmEphB2 in a functional ELISA assay.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20℃ to -70℃. After aseptic reconstitution, this protein may be stored at 2℃ to 8℃ for one month or at -20℃ to -70℃ in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Efnb2 ephrin B2 [Mus musculus]
Synonyms	Efnb2; ephrin B2; Epl5; ELF-2; Eplg5; Htk-L; Lerk5; LERK-5; NLERK-1; OTTMUSP00000024973
Gene ID	13642
mRNA Refseq	NM_010111
Protein Refseq	NP_034241
UniProt ID	P52800
Chromosome Location	8 A1.1; 8 2.0 cM

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Pathway	Axon guidance
Function	receptor binding
PDB rendering based on 1iko.	

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