

Active Recombinant Mouse Ephrin A4

Cat. No. Efna4-440M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Efna4protein was expressed in Murine myeloma cell line. Leu26-Gly176.
Species	Mouse
Source	Mammalian Cells
ProteinLength	26-176 a.a.
Description	EphrinA4 isa member of the ephrin ligand family which binds members of the Eph receptorfamily. All ligands share a conserved extracellular sequence, which mostlikely corresponds to the receptor binding domain. This conserved sequenceconsists of approximately 125 amino acids and includes four invariantcysteines. The Aclass ligands have a GPI anchor following the conservedsequence. EphrinA4 has been shown to bind EphA2, EphA3, EphA4, EphA5, EphA6,EphA7, and EphB1.
Form	Lyophilized from a0.2 um filtered solution in Acetonitrile and TFA with BSA as a carrierprotein.
N-terminalSequence	Leu26
MolecularWeight	43.6 kDa
Activity	Measuredby its binding ability in a functional ELISA. Immobilized rmEphA7/Fc Chimeraat 2 µg/mL (100 µL/well) can bind biotinylated rmEphrinA4/Fc Chimera with

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	alinear range of 0.16 10 ng/mL.
Endotoxin Level	<1.0EU per 1 µg of the protein by the LAL method.
Purity	>95%,by SDSPAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute withsterile PBS at 200ug/mL.
Storage	Use amannual defrost freezer and avoid repeated freezethaw cycles. 12 months from date of receipt, 20 to 70°C as supplied. 1month, 2 to 8°C under sterile conditions after reconstitution. 3 months, 20 to70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Efna4 ephrin A4 [Musmusculus]
Official Symbol	Efna4
Synonyms	Efna4; ephrin A4; Epl4;EFL-4; LERK-4; ephrin-A4; EPH-related receptor tyrosine kinase ligand 4
Gene ID	13639
mRNA Refseq	NM_007910
Protein Refseq	NP_031936
UniProt ID	O08542
Chromosome Location	3 F1; 3 48.0 cM

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Pathway	Axon guidance
Function	ephrin receptorbinding