

Recombinant Mouse Efna4 protein(Met1-Gly176), hFc-tagged

Cat. No. Efna4-4056M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EFNA4 (NP_031936.2) without the pro peptide (Met 1-Gly 176) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-176 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. 1. Immobilized human EphA7 at 2 µg/ml (100 µl/well) can bind mouse EphrinA4 Fc Chimera with a linear range of 0.08-10 ng/ml. 2. Immobilized mouse EphA7 at 2 µg/ml (100 µl/well) can bind mouse EphrinA4 Fc Chimera with a linear range of 0.08-10 ng/ml.
Molecular Mass	The recombinant mouse EFNA4/Fc is a disulfide-linked homodimer. The reduced monomer consists of 392 amino acids and has a predicted molecular mass of 43.9 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmEFNA4/Fc monomer is approximately 52 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 92 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Efna4 ephrin A4 [Mus musculus]
Official Symbol	Efna4
Synonyms	EFNA4; ephrin A4; ephrin-A4; EPH-related receptor tyrosine kinase ligand 4; Epl4; EFL-4; LERK-4;
Gene ID	13639
mRNA Refseq	NM_007910
Protein Refseq	NP_031936

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