

## Ephrin-A4/EFNA4 Protein, Mouse (150a.a, HEK293, Fc)

<b>Cat. No.:</b>	HY-P70193
<b>Synonyms:</b>	rMuEphrin-A4, Fc; Ephrin-A4 ; EPH-related receptor tyrosine kinase ligand 4 ; Epl4; Eplg4; Lerk4
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	O08542 (R27-G176)
<b>Gene ID:</b>	13639
<b>Molecular Weight:</b>	Approximately 53.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>R H P I Y W N S S N    P R L L R G D A V V    E L G F N D Y L D I    F C P H Y E S P G P</p> <p>P E G P E T F A L Y    M V D W S G Y E A C    T A E G A N A F Q R    W N C S M P F A P F</p> <p>S P V R F S E K I Q    R Y T P F P L G F E    F L P G E T Y Y Y I    S V P T P E S P G R</p> <p>C L R L Q V S V C C    K E S G S S H E S A    H P V G S P G E S G</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>Ephrin-A4 (EFNA4) is a cell surface glycosylphosphatidylinositol (GPI)-bound ligand that belongs to the Eph receptor family, a group of receptor tyrosine kinases crucial for various developmental processes, including migration, repulsion, and adhesion in neurons, vascular tissues, and epithelial cells. EFNA4 binds promiscuously to Eph receptors on adjacent cells, initiating contact-dependent bidirectional signaling into neighboring cells. This interaction is essential for orchestrating complex cellular events during development. Moreover, EFNA4 may contribute to the interaction between activated B-lymphocytes and dendritic cells in tonsils, suggesting its involvement in immune responses.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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