

## Ephrin B3 Protein, Rat (HEK293, His)

<b>Cat. No.:</b>	HY-P73022
<b>Synonyms:</b>	Ephrin-B3; EPH-related receptor tyrosine kinase ligand 8; LERK-8; EFNB3; EPLG8
<b>Species:</b>	Rat
<b>Source:</b>	HEK293
<b>Accession:</b>	G3V7D4 (L28-S224)
<b>Gene ID:</b>	360546
<b>Molecular Weight:</b>	Approximately 27-32 kDa due to the glycosylation.

### PROPERTIES

<b>AA Sequence</b>	<p>M G G P H F G P G G      V Q V G A L L L L G      F A G L V S G L S L      E P V Y W N S A N K</p> <p>R F Q A E G G Y V L      Y P Q I G D R L D L      L C P R A R P P G P      H S S P S Y E F Y K</p> <p>L Y L V G G A Q G R      R C E A P P A P N L      L L T C D R P D L D      L R F T I K F Q E Y</p> <p>S P N L W G H E F R      S H H D Y Y I I A T      S D G T R E G L E S      L Q G G V C L T R G</p> <p>M K V L L R V G Q S      P R G G A V P R K P      V S E M P M E R D R      G A A H S Q E P G K</p> <p>D S I P G D P N S N      A T S R G A E G P L      P P P S</p>
<b>Biological Activity</b>	Immobilized Rat Ephrin B3 at 10µg/mL (100µL/well) can bind biotinylated Mouse EphB3, the ED <sub>50</sub> for this effect is 36.91 ng/mL.
<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>	Ephrin B3 protein is a member of the ephrin family and is characterized by the absence of conserved residue(s) crucial for the propagation of feature annotation. This distinctive feature suggests a unique molecular profile within the ephrin family, potentially influencing its functional properties and interactions. The specific role and implications of this divergence in
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conserved residues warrant further investigation to comprehend the functional nuances and cellular significance of Ephrin B3 in biological processes.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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