

Ephrin-B2/EFNB2 Protein, Mouse (HEK293, Fc-His)

Cat. No.:	HY-P70378
Synonyms:	rMuEphrin-B2/EFNB2, Fc-His; Ephrin-B2; ELF-2; EPH-related receptor tyrosine kinase ligand 5; HTK ligand; Elf2; Epl5; Eplg5; Htkl; Lerk5.
Species:	Mouse
Source:	HEK293
Accession:	P52800 (R29-E227)
Gene ID:	13642
Molecular Weight:	65-80 kDa

PROPERTIES

AA Sequence	<pre> R S I V L E P I Y W N S S N S K F L P G Q G L V L Y P Q I G D K L D I I C P K V D S K T V G Q Y E Y Y K V Y M V D K D Q A D R C T I K K E N T P L L N C A R P D Q D V K F T I K F Q E F S P N L W G L E F Q K N K D Y Y I I S T S N G S L E G L D N Q E G G V C Q T R A M K I L M K V G Q D A S S A G S A R N H G P T R R P E L E A G T N G R S S T T S P F V K P N P G S S T D G N S A G H S G N N L L G S E </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Ephrin-B2/EFNB2 Protein is a cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine kinases that play crucial roles in neuronal, vascular, and epithelial development. It binds to neighboring cells' Eph receptors, leading to contact-dependent bidirectional signaling. This interaction triggers forward signaling downstream of the receptor and reverse signaling downstream of the ephrin ligand. Ephrin-B2/EFNB2 binds promiscuously to receptor tyrosine kinases such as EPHA4, EPHA3, and EPHB4. It cooperates with EPHB4 to regulate cell adhesion, migration, heart morphogenesis, and angiogenesis. Additionally, it participates in guiding the orientation of longitudinally projecting axons and interacts with PDZRN3 (By similarity).</p>
-------------------	--

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA