

Ephrin-B1/EFNB1 Protein, Human (HEK293, C-hFc)

Cat. No.:	HY-P700609
Synonyms:	Ephrin-B1; EFL-3; ELK-L; LERK-2; Ephrin-B1 CTF; EFNB1; EFL3; EPLG2; LERK2
Species:	Human
Source:	HEK293
Accession:	NP_004420.1 (L28-K237)
Gene ID:	1947
Molecular Weight:	approximately 58.76 kDa

PROPERTIES

AA Sequence	<pre> L A K N L E P V S W S S L N P K F L S G K G L V I Y P K I G D K L D I I C P R A E A G R P Y E Y Y K L Y L V R P E Q A A A C S T V L D P N V L V T C N R P E Q E I R F T I K F Q E F S P N Y M G L E F K K H H D Y Y I T S T S N G S L E G L E N R E G G V C R T R T M K I I M K V G Q D P N A V T P E Q L T T S R P S K E A D N T V K M A T Q A P G S R G S L G D S D G K H E T V N Q E E K S G P G A S G G S S G D P D G F F N S K </pre>
Biological Activity	Measured in a cell proliferation assay using HUVEC cells. The ED ₅₀ this effect is 2.876 ng/mL, corresponding to a specific activity is 3.4771×10 ⁵ units/mg.
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	Ephrin-B1/EFNB1 Protein, a type I membrane protein, serves as a ligand for Eph-related receptor tyrosine kinases. Its involvement extends to potential roles in cell adhesion, contributing to the intricate processes of nervous system development or maintenance. Exhibiting ubiquitous expression, this protein is notably present in fat (RPKM 27.2), placenta
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(RPKM 17.2), and 23 other tissues, highlighting its wide-ranging influence across various cellular and physiological contexts.

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

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