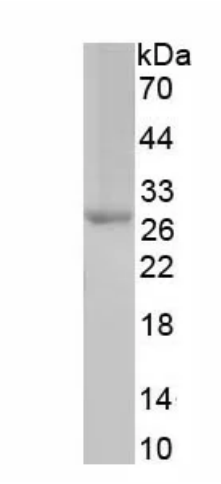
Active Ephrin A3 (EFNA3)

Catalog#:PEH12924

概述（Summary）

别称（Alternative Names）	EFL2; EPLG3; Ehk1-L; LERK3; EHK1 ligand; EPH-related receptor tyrosine kinase ligand 3
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Gly30-Ser238】
Accession #	P52797
表达宿主（Host）	E.coli
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	27.2 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

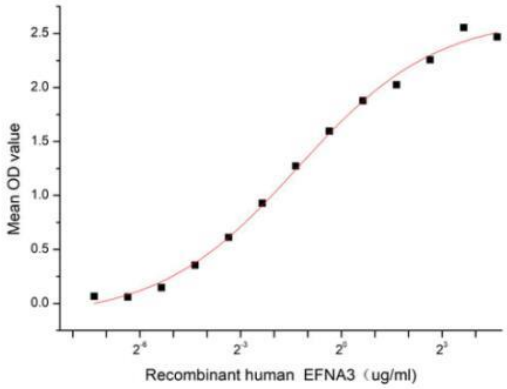


Figure 1. The binding activity of recombinant human EFNA3 and recombinant human EPHA4

Ephrin A3 (EFNA3) , also known as EFL2, EPLG3, LERK3, Ehk1-L, is a member of the Eph/ephrin tyrosine kinase family. EFNA3 is localized in cell membranes and was highly expressed in brain, skin, esophagus, skeletal muscle, spleen, thymus, prostate, testis, ovary, small intestine, peripheral blood leukocytes. EFNA3, like most genes in the ephrin family, plays a central role in embryonic development can associate with multiple signaling pathways involved in cell growth and tumor cell metastasis. Aberrant regulation of EFNA3 is associated with the occurrence and development of various types of cancer. Ephrin Type A Receptor 4 (EPHA4) is a receptor for members of the ephrin-A family. It can bind to EFNA3. Thus a functional binding ELISA assay was conducted to detect the interaction of recombinant human EFNA3 and recombinant human EPHA4. Briefly, EFNA3 was diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to EPHA4-coated microtiter wells and incubated for 1h at 37℃. Wells were washed with PBST and incubated for 1h with anti-EFNA3 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody for 1h at 37℃, wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37 ℃. Finally, add 50 µL stop solution to the wells and read at 450/630 nm immediately. The binding activity of recombinant human EFNA3 and recombinant human EPHA4 was shown in Figure 1, the EC50 for this effect is 0.4 ug/mL.

注意事项（Note）

For Research Use Only , Not for Diagnostic Use.