

## Ephrin-A3/EFNA3 Protein, Human (HEK293)

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| Cat. No.:         | HY-P73006  |
| Synonyms:         | Ephrin-A3; EFL-2; EHK1-L; LERK-3; EFNA3; EFL2; EPLG3 |
| Species:          | Human  |
| Source:           | HEK293   |
| Accession:        | P52797 (Q23-S213)                                    |
| Gene ID:          | 1944   |
| Molecular Weight: | 35-40 kDa  |

### PROPERTIES

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|---------------------|---|
| AA Sequence         | <p>           Q G P G G A L G N R    H A V Y W N S S N Q    H L R R E G Y T V Q    V N V N D Y L D I Y<br/>           C P H Y N S S G V G    P G A G P G P G G G    A E Q Y V L Y M V S    R N G Y R T C N A S<br/>           Q G F K R W E C N R    P H A P H S P I K F    S E K F Q R Y S A F    S L G Y E F H A G H<br/>           E Y Y Y I S T P T H    N L H W K C L R M K    V F V C C A S T S H    S G E K P V P T L P<br/>           Q F T M G P N V K I    N V L E D F E G E N    P Q V P K L E K S I    S         </p> |
| Biological Activity | Measured by its ability to bind biotinylated mouse EPHA6-Fc in a functional ELISA.  |
| Appearance          | Solution  |
| Formulation         | Supplied as a 0.2 µm filtered solution of 50 mM Tris, 100 mM NaCl, pH 8.0.  |
| Endotoxin Level     | <1 EU/µg, determined by LAL method.   |
| Reconstitution      | N/A.  |
| Storage & Stability | Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.  |
| Shipping            | Shipping with dry ice   |

### DESCRIPTION

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| Background | <p>Ephrin-A3 (EFNA3) is a cell surface glycosylphosphatidylinositol (GPI)-bound ligand that plays a pivotal role in cellular interactions during development. It belongs to the Eph receptor family, a group of receptor tyrosine kinases crucial for processes such as migration, repulsion, and adhesion in neuronal, vascular, and epithelial tissues. EFNA3 exhibits promiscuous binding to Eph receptors on adjacent cells, initiating contact-dependent bidirectional signaling into neighboring cells. This bidirectional signaling involves the forward signaling pathway downstream of the receptor and the reverse signaling pathway downstream of the ephrin ligand. Furthermore, EFNA3 specifically interacts with EPHA8,</p> |
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activating the receptor and contributing to downstream signaling events.

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

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