

RPCB1556

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**Product Information**

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|---------------------|----------|--------------------|-------|--------------|------|
| <b>Product SKU:</b> | RPCB1556 | <b>Gene ID:</b>    | 13637 | <b>Size:</b> | 10µg |
| <b>Tag:</b>         | C-His    | <b>Reactivity:</b> | Mouse |              |      |

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**Additional Information**

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|-------------------------|--------------------|-------------------|--------|
| <b>Expression Host:</b> | HEK293 cells       | <b>Swissprot:</b> | P52801 |
| <b>Purity:</b>          | > 95% by SDS-PAGE. |                   |        |

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**Protein Information**

**Background:** Ephrin-A2 also known as EFNA2 or EPH-related receptor tyrosine kinase ligand 6, is a member of the ephrin family. The Eph family receptor interacting proteins (ephrins) are a family of proteins that serve as the ligands of the Eph receptor, which compose the largest known subfamily of receptor protein-tyrosine kinases (RTKs). Ephrin-A2 and their Eph family of receptor tyrosine kinases are expressed by cells of the SVZ. Eph/ephrin interactions are implicated in axon guidance, neural crest cell migration, establishment of segmental boundaries, and formation of angiogenic capillary plexi. Ephrin subclasses are further distinguished by their mode of attachment to the plasma membrane: ephrin-A ligands bind EphA receptors and are anchored to the plasma membrane via a glycosylphosphatidylinositol (GPI) linkage, whereas ephrin-B ligands bind EphB receptors and are anchored via a transmembrane domain. Ephrin-A2 regulates the position-specific affinity of limb mesenchyme and is involved in cartilage pattern formation in the limb.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Mouse Ephrin-A2/EFNA2 Protein , tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

**Endotoxin:** <0.1EU/µg

**Formulation:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

**Storage:**

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.