

RPCB0164

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**Product Information**

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|---------------------|----------|--------------------|-------|--------------|------|
| <b>Product SKU:</b> | RPCB0164 | <b>Gene ID:</b>    | 1969  | <b>Size:</b> | 10µg |
| <b>Tag:</b>         | No tag   | <b>Reactivity:</b> | Human |              |      |

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**Additional Information**

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|-------------------------|--------------------------------|-------------------|--------|
| <b>Expression Host:</b> | Baculovirus-Infected Sf9 Cells | <b>Swissprot:</b> | P29317 |
| <b>Purity:</b>          | > 95% by SDS-PAGE.             |                   |        |

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**Protein Information**

**Background:** Eph receptor A2 (Ephrin type-A receptor 2 or EphA2) is a member of the ephrin receptor subfamily of the protein-tyrosine kinase family. The receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A family ligands 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. Activated by the ligand ephrin-A1/EFNA1 regulates migration, integrin-mediated adhesion, proliferation and differentiation of cells. Regulates cell adhesion and differentiation through DSG1/desmoglein-1 and inhibition of the ERK1/ERK2 (MAPK3/MAPK1, respectively) signaling pathway. May also participate in UV radiation-induced apoptosis and have a ligand-independent stimulatory effect on chemotactic cell migration.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Human EphA2/ECK Protein, tested reactivity in Baculovirus-Infected Sf9 Cells and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** < 1.0 EU/µg of the protein by LAL method.

**Formulation:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

**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.