

## Recombinant Human Ephrin-A1/EFNA1 Protein (Fc Tag)

**Catalog Number:** PKSH032389

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

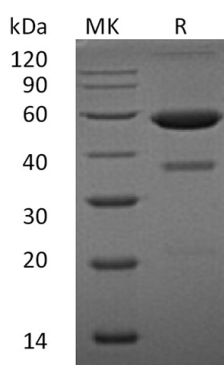
### Description

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| <b>Species</b>       | Human                                                                                  |
| <b>Source</b>        | HEK293 Cells-derived Human Ephrin-A1;EFNA1 protein Asp19-Ser182, with an C-terminal Fc |
| <b>Calculated MW</b> | 46.5 kDa                                                                               |
| <b>Observed MW</b>   | 55-60 kDa                                                                              |
| <b>Accession</b>     | AAH32698.1                                                                             |
| <b>Bio-activity</b>  | Not validated for activity                                                             |

### Properties

|                       |                                                                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 85 % as determined by reducing SDS-PAGE.                                                                                                                                                                                                       |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                  |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.           |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.                                                                                                                                                                  |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.<br>Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.                                                                                                                                                                                     |

### Data



> 85 % as determined by reducing SDS-PAGE.

### Background

Ephrin-A1 is a member of the A-type ephrin family of cell surface proteins that function as ligands for the A-type Eph receptor tyrosine kinase family. Ephrin-A1 can be induced by TNF and IL1B. Its expression levels can be down-regulated in primary glioma tissues compared to the normal tissues. The soluble monomeric form is expressed in the glioblastoma multiforme (GBM) and breast cancer cells. Soluble Ephrin-A1 is necessary for the transformation of HeLa and SK-BR3 cells and participates in the relocalization of EPHA2 away from sites of cell-cell contact during transformation. Ephrin-A1 plays an important role in angiogenesis and tumor neovascularization.

### For Research Use Only