

## Recombinant Human E-Cadherin/CDH1 Protein (His Tag)

**Catalog Number:** PKSH033437

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

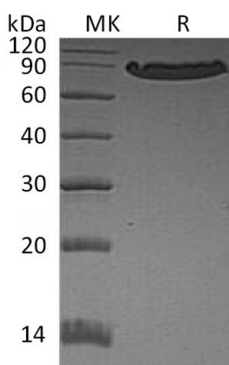
### Description

|                      |  |
|----------------------|--|
| <b>Species</b>       | Human  |
| <b>Source</b>        | HEK293 Cells-derived Human E-Cadherin/CDH1 protein Asp155-Ile707, with an C-terminal His |
| <b>Calculated MW</b> | 61.2 kDa   |
| <b>Observed MW</b>   | 80-90 kDa  |
| <b>Accession</b>     | P12830   |
| <b>Bio-activity</b>  | Not validated for activity   |

### Properties

|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 95 % 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



> 95 % as determined by reducing SDS-PAGE.

### Background

E-Cadherin is a classical member of the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein composed of five extracellular cadherin repeats; a transmembrane region; and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric; breast; colorectal; thyroid; and ovarian cancers. Loss of function is thought to contribute to progression in cancer by increasing proliferation; invasion; and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells; and the cytoplasmic domain is required for internalization. Identified transcript variants arise from mutation at consensus splice sites. Als o; E-Cadherin has a potent invasive suppressor role and it is a ligand for integrin alpha-E/beta-7.

### For Research Use Only

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