

## Recombinant Rat Ceacam1/BGP-1 Protein (His Tag)

**Catalog Number:** PDER100161

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

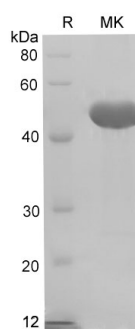
### Description

<b>Species</b>	Rat
<b>Source</b>	E.coli-derived Rat Ceacam1 protein Gln35-Ala425, with an N-terminal His & C-terminal His
<b>Calculated MW</b>	45.1 kDa
<b>Observed MW</b>	40-50 kDa
<b>Accession</b>	P16573
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 10 EU/mg 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 in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of Rat Ceacam1/BGP-1 proteins, 2 µg/lane of Recombinant Rat Ceacam1/BGP-1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 40-50 kDa.

### Background

Cell adhesion protein that mediates homophilic cell adhesion in a calcium-independent manner (By similarity). Plays a role as coinhibitory receptor in immune response, insulin action and functions also as an activator during angiogenesis. Its coinhibitory receptor function is phosphorylation-and PTPN6-dependent, which in turn, suppress signal transduction of associated receptors by dephosphorylation of their downstream effectors. Plays a role in immune response, of T-cells, natural killer (NK) and neutrophils.

### For Research Use Only

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