# Recombinant Human CD96 Protein (mFc Tag)

**Catalog Number:PKSH033504**

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

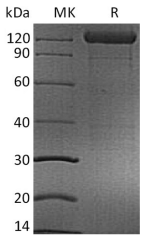
## Description

| | |
|---|---|
| **Synonyms** | T-cell surface protein tactile;Cell surface antigen CD96;T cell-activated increased late expression protein;CD96 |
| **Species** | Human |
| **Expression Host** | HEK293 Cells |
| **Sequence** | Val22-Met503 |
| **Accession** | P40200-2 |
| **Calculated Molecular Weight** | 80.1 kDa |
| **Observed molecular weight** | 120 kDa |
| **Tag** | C-mFc |

## Properties

| | |
|---|---|
| **Purity** | > 90 % as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Storage** | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months. |
| **Shipping** | This product is provided as lyophilized powder which is shipped with ice packs. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| **Reconstitution** | Please refer to the printed manual for detailed information. |

## Data




> 90 % as determined by reducing SDS-PAGE.

## Background

The cluster of differentiation (CD) system is commonly used as cell markers in immunophynotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. The CD155 ligand CD96 is a member of the Ig superfamily. It's a immunoglobulin-like protein tentatively allocated to the repertoire of human NK receptors. NK cells recognize poliovirus receptor (PVR); anectins and nectin-like protein family member serve to mediate cell-cell adhesion; cell migration; with the presence of an additional receptor; CD96. CD96 promotes NK cell adhesion to target cells expressing PVR; stimulates cytotoxicity of activated NK cells; and mediates acquisition of PVR from target cells.

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