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# Recombinant Human LFA-3/CD58 Protein (His Tag)

Catalog No. PKSH030846

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

# **Description**

Synonyms Leptin receptor;LEP-R;HuB219;OB receptor;OB-R;CD295;LEPR;DB;OBR

Species Human

Expression Host

Sequence

Met 1-Arg215

Accession

Calculated Molecular Weight

Observed molecular weight

Tag

HEK293 Cells

Met 1-Arg215

AAH05930.1

22.9 kDa

38-43 kDa

C-His

**Bioactivity** Not validated for activity

## **Properties**

**Purity** > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per ug 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°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.

**Shipping** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation** Lyophilized from sterile PBS, pH 7.4

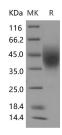
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

**Reconstitution** Please refer to the printed manual for detailed information.

#### Data



> 95 % as determined by reducing SDS-PAGE.

# **Background**

CD53 is a member of the transmembrane 4 superfamily, also called the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. These proteins mediate signal

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transduction events that play a role in the regulation of cell development, activation, growth and motility. CD53 is a cell surface glycoprotein that is known to complex with integrins. Familial deficiency of CD53 gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. CD53 contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation.

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