

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

32-17606: Recombinant Human CD38 Protein, hFc Tag

Uniprot ID: P28907

Alternative Name: CD38, T10, cADPr hydrolase 1

Description

Molecular Characterization: CD38(Val43-Ile300) hFc(Glu99-Ala330)

Molecular weight: The protein has a predicted molecular mass of 56.0 kDa after removal of the signal peptide. The apparent molecular mass of CD38-hFc is approximately 70-100 kDa due to glycosylation.

Description: Recombinant human CD38 protein with C-terminal human Fc tag

CD antigen CD38 is also known as ADP-ribosyl cyclase 1, which belongs to the ADP-ribosyl cyclase family. CD38 is expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma. CD38 is a multifunctional ectoenzyme that catalyzes the synthesis and hydrolysis of cyclic ADP-ribose (cADPR) from NAD to ADP-ribose. These reaction products are essential for the regulation of intracellular Ca2. The loss of CD38 function is associated with impaired immune responses, metabolic disturbances, and behavioral modifications. The CD38 protein is a marker of cell activation. It has been connected to HIV infection, leukemias, myelomas, solid tumors, type II diabetes mellitus and bone metabolism. CD38 has been used as a prognostic marker in leukemia.

Product Info

Amount : $100 \mu g / 50 \mu g$

Content: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before

lyophilization.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended

Storage condition : for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient temperature.