## **Product Name: Recombinant Rat CD38 (C-6His)**

Catalog #: PHR1883



#### 概述 (Summary)

英文全称 CD38/ADP-ribosyl Cyclase 1/cyclic ADP-ribose Hydrolase 1

纯度 (Purity) Greater than 95% as determined by reducing SDS-PAGE

内毒素 (Endotoxin level) <1 EU/μg as determined by LAL test.

蛋白构建 (Construction) Recombinant Rat ADP-ribosyl Cyclase/cyclic ADP-ribose Hydrolase 1 is

produced by our Mammalian expression system and the target gene

encoding Trp45-Val303 is expressed with a 6His tag at the C-terminus.

Accession # Q64244

蛋白标签 (Tag)

表达宿主 (Host) Human Cells

种属 (Species) Rat

预测分子量 (Predicted MW) 30.8 KDa

蛋白形态 (Form) Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

储存缓冲液 (Buffer)

运输方式 (Shipping) The product is shipped at ambient temperature. Upon receipt, store it

immediately at the temperature listed below.

稳定性&储存 (Stability &Storage) Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3

months under sterile conditions after opening. Please minimize freeze-thaw

cycles.

复溶 (Reconstitution) Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It

is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized

protein in distilled water. Please aliquot the reconstituted solution to minimize

freeze-thaw cycles.

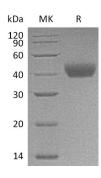
### 电泳图 (SDS-PAGE image)

Web: https://www.enkilife.com E-mail: order@enkilife.com techsupport@enkilife.com Tel: 0086-27-87002838

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### 背景 (Background)

分子別名 (Alternative Names) 背景介绍 (References) ADP-ribosyl cyclase 1; cyclic ADP-ribose hydrolase;CD38;T10

CD38, also called ADP-ribosyl cyclase, is a Type II integral membrane protein with 301 amino acids in length that belongs to the ADP-ribosyl cyclase family. It synthesizes the second messagers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger for glucose-induced insulin secretion. And also moonlights as a receptor in cells of the immune system. CD38 is expressed in B and T lymphocytes, osteoclasts, and in cardiac, pancreatic, liver and kidney cells. Through its production of cyclic ADP-ribose, CD38 modulates calcium-mediated signal transduction in many types of cells, including neutrophils and pancreatic beta cells.

#### 注意事项 (Note)

For Research Use Only, Not for Diagnostic Use.

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