

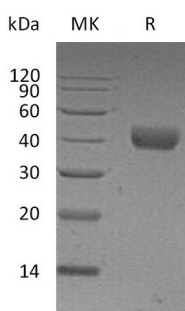
**Product Name: Recombinant Human CD38 (C-6His)**  
**Catalog #: PHH1866**



## Summary

<b>Name</b>	CD38/ADP-ribosyl Cyclase 1/cyclic ADP-ribose Hydrolase 1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human ADP-ribosyl Cyclase/cyclic ADP-ribose Hydrolase 1 is produced by our Mammalian expression system and the target gene encoding Val43-Ile300 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	P28907
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	30.7 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	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.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; ADP-ribosyl cyclase 1; Cyclic ADP-ribose hydrolase 1; CD38 antigen; CD38 molecule;CD38
<b>Background</b>	CD38, also known as ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, is a Signal-anchor for type II membrane protein. CD38 is able to transform NAD <sup>+</sup> to ADP-D-

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ribose and nicotinamide. It also can transform NADP<sup>+</sup> to nicotinate-adenine dinucleotide phosphate and nicotinamide. CD38 is expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma. Synthesizes the second messengers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system.

### **Note**

For Research Use Only , Not for Diagnostic Use.