

## PRODUCT INFORMATION

<b>Target</b>	CD38
<b>Synonyms</b>	ADPRC1; cADPR1; ADPRC 1
<b>Description</b>	Recombinant Cynomolgus CD38 protein with N-terminal 10×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q5VAN0
<b>Expression Host</b>	HEK293
<b>Tag</b>	N-10×His tag
<b>Molecular Characterization</b>	10×His tag Cynomolgus CD38(Leu44-Ile301)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 31.2 kDa after removal of the signal peptide.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage&amp;Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	The protein encoded by this gene is a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, an intracellular calcium ion mobilizing messenger. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



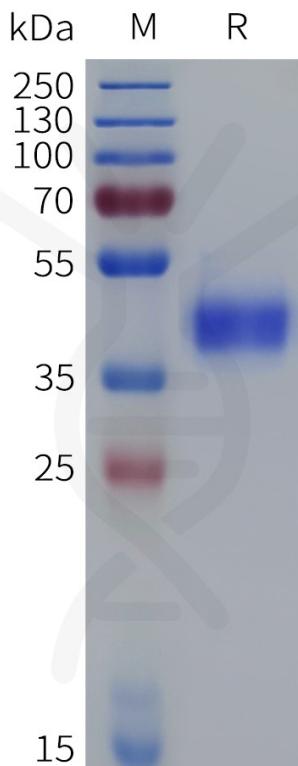


Figure 1. Cynomolgus CD38 Protein, His Tag on SDS-PAGE under reducing condition.

