

PRODUCT INFORMATION

CD38 Target

Synonyms ADPRC 1;Cd38-r;Cd38-rs1;I-19

Recombinant mouse CD38 protein with C-terminal **Description**

6×His tag

Delivery In Stock **Uniprot ID** P56528 **Expression Host HEK293**

Tag C-6×His Tag

Molecular

Storage & Shipping

Background

Mouse CD38(Leu45-Thr304) 6×His tag Characterization

The protein has a predicted molecular mass of 30.6 kDa after removal of the signal peptide. The **Molecular Weight**

apparent molecular mass of mCD38-His is approximately 35-55 kDa due to glycosylation.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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.

This gene encodes a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphateribose, 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. Knockout mice deficient for this gene display altered humoral immune responses. In addition, knockout mice exhibit higher locomotor

> Email: info@dimabio.com Website: www.dimabio.com

activity and defects in nurturing and social behaviors. [provided by RefSeq, Sep 2015]

Usage Research use only Conjugate Unconjugated



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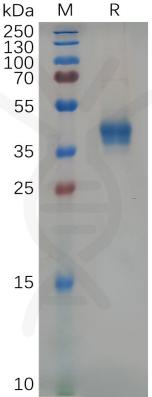


Figure 1. Mouse CD38 Protein, His Tag on SDS-PAGE under reducing condition.

Email: info@dimabio.com Website: www.dimabio.com

