

## 32-17687: Recombinant Mouse CD38 Protein, His Tag

**Uniprot ID :** P56528

**Alternative Name :** ADPRC 1; Cd38-r; Cd38-rs1; I-19

### Description

Molecular Characterization: Mouse CD38(Leu45-Thr304) +6 $\times$ His tag

Molecular Weight: The protein has a predicted molecular mass of 30.6 kDa after removal of the signal peptide. The apparent molecular mass of mCD38-His is approximately 35-55 kDa due to glycosylation.

Description: Recombinant mouse CD38 protein with C-terminal 6 $\times$ His tag

This gene encodes 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. Knockout mice deficient for this gene display altered humoral immune responses. In addition, knockout mice exhibit higher locomotor activity and defects in nurturing and social behaviors. [provided by RefSeq, Sep 2015]

### 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.

**Storage condition :** 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.