

## Recombinant Human CD38 Protein

Cat No. :KF-P1508

**表达系统:** Baculovirus-Insect Cells

**蛋白结构序列:** 43-300aa

**蛋白编号:** P28907

**产品别称:** ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, CD38, ADPRC 1, ADPRC1

**分子量:** 31.2kDa (269aa), 28-40kDa (SDS-PAGE under reducing conditions.)

**纯度:** >85% as determined by SDS-PAGE.

**内毒素:** ≤10EU/mg as determined by LAL test.

**标签:** N-6His

**冻干Buffer:** Phosphate buffered saline (pH7.4) containing 0.01% sarcosyl, 5%Trehalose

**复溶方式:** Liquid. In 50mM MES (pH 5.0) containing 100mM NaCl, 10% glycerol.

**运输条件:** 2-8℃

**保存条件:** Aliquot and store at -20℃ to -80℃ for up to 6 months, buffer containing 50% glycerol is recommen

**生物活性:** 待查。

**功能:** 合成环ADP-核糖(cADPR),这是葡萄糖诱导胰岛素分泌的第二信使(PubMed:761800, PubMed:8253715)。通过2'-磷酸-cADPR和烟酸以及NADP和酸合成Ca<sup>2+</sup>动员剂烟酸-腺嘌呤二核苷酸磷酸(NAADP)。在pH 5.0和pH7.4下,优先将2'-磷酸-cADPR转化为NAADP,而优先将NADP分解为cADPR和ADPR,而不是NADDP(PubMed:16690024)。具有cADPR水解酶活性(PubMed:796800, PubMed:8253715)。

仅供科研或生产使用,不可直接应用于人体。