

## Recombinant Adhesion Regulating Molecule 1 (ADRM1)

Cat No. :KF-P1076

**表达系统:** E. coli

**蛋白结构序列:** Thr2~Asp407

**蛋白编号:** Q16186

**产品别称:** Proteasomal ubiquitin receptor ADRM1, ARM1, GP110, Rpn13.

**分子量:** 44.7 kDa (431aa) (SDS-PAGE under reducing conditions)

**纯度:** >95% 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. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

**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:** 参与泛素化蛋白质 ATP 依赖性降解的蛋白质复合体 26S 蛋白酶体的组分 (PubMed: 16815440, PubMed: 16906146, PubMed: 16990800, PubMed: 17139257, PubMed: 18497817, PubMed: 24752541, PubMed: 25702870, PubMed: 25702872)。该复合物通过去除可能损害细胞功能的错误折叠或损坏的蛋白质, 并通过去除功能不再需要的蛋白质 (PubMed: 16815440, PubMed: 16906146, PubMed: 16990800, PubMed: 17139257, PubMed: 18497817, PubMed: 24752541, PubMed: 25702870, PubMed: 25702872), 在维持蛋白质体内平衡中起关键作用。因此, 蛋白酶体参与许多细胞过程, 包括细胞周期进程, 细胞凋亡或 DNA 损伤修复 (PubMed: 16815440,

PubMed: 16906146, PubMed: 16990800, PubMed: 17139257, PubMed: 18497817, PubMed: 24752541, PubMed: 25702870, PubMed: 25702872)。在这个复合体中, 它起着蛋白酶体泛素受体的作用 (PubMed: 18497817)。在蛋白质降解过程中参与并激活 19S 相关的去泛素化酶 UCHL5 和 PSMD14 (PubMed: 16906146, PubMed: 16990800, PubMed: 17139257, PubMed: 24752541)。UCHL5 可逆地与 19S 调节颗粒相关联, 而 PSMD14 是蛋白酶体盖子亚复合物的内在亚基 (PubMed: 16906146, PubMed: 16990800, PubMed: 17139257, PubMed: 24752541)。

**仅供科研或生产使用, 不可直接应用于人体。**