

Recombinant Human BSND Protein

Cat No. :KF-P1370

表达系统: E. coli

蛋白结构序列: 54-320aa

蛋白编号: Q8WZ55

产品别称: Barttin, BART, DFNB73

分子量: 31.7 kDa (290aa) (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. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

运输条件: 2-8°C

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

生物活性: 待查。

功能: 阴离子选择性 CLCNKA:BSND 和 CLCNKB:BSND 异源二聚体通道的调节亚, 这些通道参与了沿肾小管的基侧氯化物电导, 以实现尿液浓缩和维持全身酸碱平衡, 并在内耳血管纹中建立正常的听力所必需的内耳电位 (PubMed:11734858, PubMed:1211150, PubMed:12574213, PubMed:16849430, PubMed:1877622, PubMed:19646679, PubMed:20538786, PubMed:2601380)。最可能作为一种伴侣蛋白, 通过别构作用调节 CLCNKA:BSND 和 CLCNKB:BSND 通道在基侧质区域的正确分类和功能转换到离子导电状态。介导通道共同门的构成性开放 (PubMed:1173485, PubMed:12111250, PubMed:12574213, PubMed:16849430PubMed:18776122, PubMed:19646679,

PubMed:20538786PubMed:26013830)。

仅供科研或生产使用，不可直接应用于人体。