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BEST1, 292-585aa Human, His tag, E.coli

产品货号: TP01324

第三版

别名: Bestrophin-1 isoform 1, ARB, BEST, BMD, RP50, TU15B, VMD2

**描述:** BEST1 is a member of the bestrophin gene family. This small gene family is characterized by proteins with a highly conserved N-terminus with four to six transmembrane domains. Bestrophins may form chloride ion channels or may regulate voltage-gated L-type calcium-ion channels. Bestrophins are generally believed to form calcium-activated chloride-ion channels in epithelial cells but they have also been shown to be highly permeable to bicarbonate ion transport in retinal tissue. Mutations in this gene are responsible for juvenile-onset vitelliform macular dystrophy (VMD2), also known as Best macular dystrophy, in addition to adult-onset vitelliform macular dystrophy (AVMD) and other retinopathies. Recombinant human BEST1 protein, fused to His-tag at N-terminus, was expressed in E.coli

**配方:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**分子量:** 36 kDa (317aa)

**序列:**

MGSSHHHHHSSGLVPRGSHMGSEQLINPFGEDDDDFETNWIVDRNLQVSLLAVDEMHQDLPRMEPDMYWNKPEPQP  
PYTAASAQFRRASFMGSTFNISLNKEEMEFQPNQEDEEDA HAGIIGRFLGLQSHDHPPRANSRTKLLWPKRESLLHEGLP  
KNHKAQKQNVRGQEDNKAWKLKAVDAFKSAPLYQRPGYYSAPQTPLSPTPMFFPLEPSAPSKLHSVGTGIDTKDKSLKTVSS  
GAKKSFELLESESDGALMEHPEVSQVRRKTVFNLTDMPEIPENHLKEPLEQSPTNIHTTLKDHMDPYWALENRDEAHS

**纯度:** > 95% by HPLC

**浓度:** 1 mg/ml (determined by Bradford assay)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.