

## 32-3325: BEST1 Recombinant Protein

**Alternative Name** Bestrophin-1,TU15B,Vitelliform macular dystrophy protein  
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2,BEST1,VMD2,ARB,BEST,BMD,RP50,TU15B,Bestrophin-1 isoform 1,Bestrophin 1.

### Description

Source : Escherichia Coli. BEST1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 317 amino acids (292-585) and having a molecular mass of 36 kDa.BEST1 is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Bestrophin 1 (BEST1) is a part of the bestrophin gene family and is also forms calcium-activated chloride-ion channels in epithelial. This small gene family is characterized by proteins with a highly conserved N-terminus with 4-6 transmembrane domains. BEST1 is extremely permeable to bicarbonate.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The BEST1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSEQLINPF GEDDDDFETN WIVDRNLQVS LLAVDEMHQD  
LPRMEPDMYW NKPEPQPPYT AASAQFRRAS FMGSTFNISL NKEEMEFQPN QEDEEDAHAG IIGRFLGLQS  
HDHHPPRANS RTKLLWPKRE SLLHEGLPKN HKAQKQNVRG QEDNKAWKLG AVDAFKSAPL  
YQRPGYYSAP QTPLSPTPMF FPLEPSAPSK LHSVTGIDTK DKSLKTVSSG AKKSFELLSE SDGALMEHPE  
VSQVRRKTVE FNLTDMPEIP ENHLKEPLEQ SPTNIHTTLK DHMDPYWALE NRDEAHS.