

Bestrophin 1 Human Recombinant

Item Number	rAP-4139
Synonyms	Bestrophin-1, TU15B, Vitelliform macular dystrophy protein 2, BEST1, VMD2, ARB, BEST, BMD, RP50, TU15B, Bestrophin-1 isoform 1, Bestrophin 1.
Description	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.
Uniprot Accession Number	O76090
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSEQLINPF GEDDDDFETN WIVDRNLQVS LLAVDEMHQD LPRMEPDMYW NKPEPQPPYT AASQFRRAS FMGSTFNISL NKEEMEFQPN QEDEEDAHAG IIGRFLGLQS HDHHPFRANS RTKLLWPKRE SLLHEGLPKN HKAQKQNVRG QEDNKAWKLG AVDAF- KSAPL YQRPGYYSAP QTPLSPTPMF FPLEPSAPSK LHSVGTGIDTK DKSLKTVSSG AKKSFELLSE SDGALMEHPE VSQVRRKTVE FNLTDMPEIP ENHLKEPLEQ SPTNIHTTLK DHMPYWALE NRDEAHS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The BEST1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**