9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

BEST1 Human

Bestrophin 1 Human Recombinant
RCP0204

Product Overview

Name	BEST1 Human
Description	
Bestrophin 1 Human Recombinant	
Accession (Primary)	O76090
Synonyms	
Bestrophin-1, TU15B, Vitelliform macular dystrophy protein 2, BEST1, VMD2, ARB, BEST, BMD, RP50, TU15B, Bestrophin-1 isoform 1, Bestrophin 1.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The BEST1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS EQLINPF GEDDDDFETN WIVDRNLQVS LLAVDEMHQD LPRMEPDMYW NKPEPQPPYT AASAQFRRAS FMGSTFNISL NKEEMEFQPN QEDEEDAHAG IIGRFLGLQS HDHHPPRANS RTKLLWPKRE SLLHEGLPKN HKAAKQNVRG QEDNKAWKLK AVDAFKSAPL YQRPGYYSAP QTPLSPTPMF FPLEPSAPSK LHSVTGIDTK DKSLKTVSSG AKKSFELLSE SDGALMEHPE VSQVRRKTVE FNLTDMPEIP ENHLKEPLEQ SPTNIHTTLK DHMDPYWALE NRDEAHS.	

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Precautions

BEST1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O76090)