Recombinant Human BEST1 Protein, MYC/DDK-tagged

Cat. No. BEST1-2597H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BEST1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes 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. Alternative splicing results in multiple variants encoding distinct isoforms.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	67.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	BEST1 bestrophin 1 [Homo sapiens]
Official Symbol	BEST1
Synonyms	ARB; BEST; BMD; RP50; TU15B; VMD2
Gene ID	7439
mRNA Refseq	NM_001139443
Protein Refseq	NP_001132915
MIM	607854
UniProt ID	O76090

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