

## Recombinant Human BEST3, His-tagged

Cat. No. BEST3-10209H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BEST3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	C-term-186a.a.
<b>Description</b>	<p>BEST3 belongs to the bestrophin family of anion channels, which includes BEST1 (MIM 607854), the gene mutant in vitelliform macular dystrophy (VMD; MIM 153700), and 2 other BEST1-like genes, BEST2 (MIM 607335) and BEST4 (MIM 607336). Bestrophins are transmembrane (TM) proteins that share a homology region containing a high content of aromatic residues, including an invariant arg-phe-pro (RFP) motif. The bestrophin genes share a conserved gene structure, with almost identical sizes of the 8 RFP-TM domain-encoding exons and highly conserved exon-intron boundaries. Each of the 4 bestrophin genes has a unique 3-prime end of variable length (Stohr et al., 2002 [PubMed 12032738]; Tsunenari et al., 2003 [PubMed 12907679]).</p>
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	BEST3 bestrophin 3 [ Homo sapiens ]
<b>Official Symbol</b>	BEST3
<b>Synonyms</b>	BEST3; bestrophin 3; vitelliform macular dystrophy 2 like 3 , VMD2L3; bestrophin-3; MGC13168; MGC40411; vitelliform macular dystrophy 2-like 3; vitelliform macular dystrophy 2-like protein 3; VMD2L3;
<b>Gene ID</b>	144453
<b>mRNA Refseq</b>	NM_032735
<b>Protein Refseq</b>	NP_116124
<b>MIM</b>	607337
<b>UniProt ID</b>	Q8N1M1
<b>Chromosome Location</b>	12q14.2-q15
<b>Function</b>	chloride channel activity; ion channel activity; molecular_function;

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