

Recombinant Human BEST4, His-tagged

Cat. No. BEST4-10210H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BEST4 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	95-473a.a.
Description	This gene is a member of the bestrophin gene family of anion channels. Bestrophin genes share a similar gene structure with highly conserved exon-intron boundaries, but with distinct 3 ends. Bestrophins are transmembrane proteins that contain a homologous region rich in aromatic residues, including an invariant arg-phe-pro motif. Mutation in one of the family members (bestrophin 1) is associated with vitelliform macular dystrophy. The bestrophin 4 gene is predominantly expressed in the colon.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name BEST4 bestrophin 4 [Homo sapiens]

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Official Symbol	BEST4
Synonyms	BEST4; bestrophin 4; vitelliform macular dystrophy 2 like 2 , VMD2L2; bestrophin-4; vitelliform macular dystrophy 2-like 2; vitelliform macular dystrophy 2-like protein 2; VMD2L2; MGC126872;
Gene ID	266675
mRNA Refseq	NM_153274
Protein Refseq	NP_695006
MIM	607336
UniProt ID	Q8NFU0
Chromosome Location	1p33-p32.3
Function	chloride channel activity; ion channel activity; molecular_function;

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