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Product datasheet for TP318436L

Bestrophin 3 (BEST3) (NM_152439) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human bestrophin 3 (BEST3), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218436 representing NM_152439 Red=Cloning site Green=Tags(s) MTTDERKLFNHLKSPHLKYWVPFIWFGNLATKARNEGRIRDSVDLQSLMTEMNRYRSWCSLLFGYDWVGI PLVYTQVAEQLINPFGEDDDDFETNWCIDRNLQVSLLAVDEMHMSLPKMKKDIYWDDSAARPPYTLAAAD YCIPSFLGSTVQMGLSGSDFPDEEWLWDYEKHGHRHSMIRRVKRFLSAHEHPSSPRRRSYRRQTSDSSMF LPRDDLSPARDLLDVPSRNPPRASPTWKKSCFPEGSPTLHFSMGELSTIRETSQTSTLQSLTPQSSVRTS PIKMPLVPEVLITAAEAPVPTSGGYHHDSATSILSSEFTGVQPSKTEQQQGPMGSILSPSEKETPPGGPS PQTVSASAEENIFNCEEDPGDTFLKRWSLPGFLGSSHTSLGNLSPDPMSSQPALLIDTETSSEISGINIV AGSRVSSDMLYLMENLDTKETDIIELNKETEESPK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	50.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_689652

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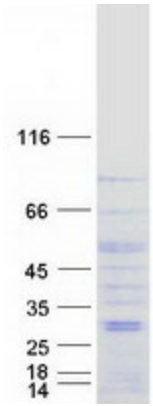
Locus ID:	144453
UniProt ID:	Q8N1M1
RefSeq Size:	2898
Cytogenetics:	12q15
RefSeq ORF:	1365
Synonyms:	VMD2L3
Summary:	BEST3 belongs to the bestrophin family of anion channels, which includes BEST1 (MIM 607854), the gene mutant in vitelliform macular dystrophy (VMD; MIM 153700), and 2 other BEST1-like 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]).[supplied by OMIM, Mar 2008]
Protein Families:	Ion Channels: Other, Transmembrane

Product images:



Coomassie blue staining of purified BEST3 protein (Cat# [TP318436]). The protein was produced from HEK293T cells transfected with BEST3 cDNA clone (Cat# [RC218436]) using MegaTran 2.0 (Cat# [TT210002]).