

Product Information

MemDX™ Membrane Protein Human BEST3 (Bestrophin 3) Full Length

Cat. No.: **MPC1650K**

This product is for research use only and is not intended for diagnostic use.

This product is a 76.1 kDa Human BEST3 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

BEST3

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

76.1 kDa

TMD

4

Sequence

MTVTYSSKVANATFFGFHRLLLKWRGSIYKLLYREFIVFAVLYTAISLVY
RLLLTGVQKRYFEKLSIYCDRYAEQIPVTFVLGFYVTLVNRWWNQFVNL
PWPDRMLFLISSSVHGSDEHGRLLRRTLMRYVNLTSLLIFRSVSTAVYKR
FPTMDHVVEAGFMTTDERKLFNHLKSPHLKYWVPFIWFGNLATKARNEGR
IRDSVDLQSLMTEMNRYRSWCSLLFGYDWVGIPLVYTQVVTAVYTFFFA
CLIGRQFLDPTKGYAGHDLDLIPIFTLLQFFFYAGWLKVAEQLINPFGE
DDDDFETNWCIDRNQLQVSL LAVDEMHS LPKMKKDIYWDDSAARPPYT LA
AADYCIPSFLGSTVQMGLSGSDFPDEEWLWDYEKHGHRHSMIRRVKRFLS
AHEHPSSPRRRSYRRQTS DSSMFLPRDDLSPARDLLDVPSRNPPRASPTW
KKSCFPEGSP TLHFSGMELSTIRETSQTSTLQSLTPQSSVRTSPIKMPLV
PEVLITAAEAPVPTSGGYHHDSATSILSSEFTGVQPSKTEQQQGPMGSIL
SPSEKETPPGGPSPQTVSASAEENIFNCEEDPGDTFLKRWSLPGFLGSSH
TSLGNLSPDPMSSQPALLIDTETSSEISGINIVAGSRVSSDMLYLMENLD
TKETDIIELNKETEESPK

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

BEST3

Full Name

Bestrophin 3

Introduction

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.

Alternative Names

BEST3; VMD2L3; bestrophin-3; vitelliform macular dystrophy 2-like 3; vitelliform macular dystrophy 2-like protein 3; Bestrophin 3

Gene ID

[144453](#)

UniProt ID

[Q8N1M1](#)