

Product Information

MemDX™ Membrane Protein Human BEST4 (Bestrophin 4) Full Length

Cat. No.: **MPC1651K**

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

This product is a 53.4 kDa Human BEST4 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

BEST4

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

53.4 kDa

TMD

4

Sequence

MTVSYTLKVAEARFGGFSGLLLRWRGSIYKLLYKEFLLFGALYAVLSITY
RLLLTQEQRVYVAQVARYCNRSADLIPLSFVLGFYVTLVNRWWSQYTSI
PLPDQLMCVISASVHGVDQGRLLRRTLIRYANLASVLVRSVSTRVLKR
FPTMEHVVDAGFMSQEERKKFESLKSDFNKYWVPCVWFTNLAAQARRDGR
IRDDIALCLLLEELNKYRAKCSMLFHYDWISIPLVYTQVVTIAVYSFFAL
SLVGRQFVEPEAGAAKPQKLLKPGQEPAPALGDPDMYVPLTLLQFFFYA
GWLKVAEQIINPFGEDDDDFETNQLIDRNLQVSLLSVDEMYQNLPPAEKD
QYWDEDQPQPPYTVATAAESLRPSFLGSTFNLRMSDDPEQSLQVEASPGS
GRPAPAAQTPLLGRFLGVGAPSPAISLRNFRVGRGTTPRPPHLLRFRAEEG
GDPEAAARIEEESAESGDEALEP

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

BEST4

Full Name

Bestrophin 4

Introduction

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.

Alternative Names

BEST4; VMD2L2; bestrophin-4; vitelliform macular dystrophy 2-like 2; vitelliform macular dystrophy 2-like protein 2; Bestrophin 4

Gene ID

[266675](#)

UniProt ID

[Q8NFU0](#)