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Product Information

MemDX™ Membrane Protein Human BDKRB1 (Bradykinin receptor B1) Full Length

Cat. No.: **MPC0039K**
This product is for research use only and is not intended for diagnostic use.

This product is a 40.5 kDa Human BDKRB1 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
BDKRB1

Protein Length
Full length

Protein Class
GPCR

Molecular Weight
40.5 kDa

TMD
7

Sequence
MASSWPPLELQSSNQSQLFPQNATACDNAPEAWDLLHRVLPTFIISICFF
GLLGNLFVLLVFLLPRRQLNVAEIYLANLAASDLVFVLGLPFWAENIWNQ
FNWPFGALLCRVINGVIKANLFISIFLVVAISQDRYRVLVHPMASRRQQR
RRQARVTCVLIWVVGGLLSIPTFLLRSIQAVPDLNITACILLLPHEAWHF
ARIVELNILGFLLPLAAIVFFNYHILASLRTREEVSRTRCGGRKDSKTTA
LILTLVVAFLVCWAPYHFFAFLEFLFQVQAVRGCFWEDFIDLGLQLANFF
AFTNSSLNPVIYVFVGRLFRTKVWELYKQCTPKSLAPISSSHRKEIFQLF
WRN

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

BDKRB1

Full Name

Bradykinin receptor B1

Introduction

Bradykinin, a 9 aa peptide, is generated in pathophysiologic conditions such as inflammation, trauma, burns, shock, and allergy. The protein encoded by this gene belongs to the G-protein coupled receptor 1 family. Two types of G-protein coupled receptors have been found which bind bradykinin and mediate responses to these pathophysiologic conditions. The protein encoded by this gene is one of these receptors and is synthesized de novo following tissue injury. Receptor binding leads to an increase in the cytosolic calcium ion concentration, ultimately resulting in chronic and acute inflammatory responses.

Alternative Names

B1R; BKR1; B1BKR; BKB1R; BRADYB1; BK-1 receptor; bradykinin B1 receptor; bradykinin receptor 1; BDKRB1; Bradykinin receptor B1

Gene ID

623

UniProt ID

P46663