

Product Information

MemDX™ Membrane Protein Human BDKRB1 (Bradykinin receptor B1) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3430K**

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

This product is a Human BDKRB1 membrane protein expressed *in vitro* *E.coli* expression system. 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

TMD

7

Sequence

MASSWPPLLELQSSNQSQLFPQNATACDNAPEAWDLLHRVLPFTFIISICFFGLLGNLVLLVFLPRRQLNVAEIYLANLAASDLVFVLC

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

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

Gene ID

[623](#)

UniProt ID

[P46663](#)