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Product Information

MemDX™ Membrane Protein Human BDKRB1 (Bradykinin receptor B1) for Antibody Discovery

Cat. No.: **MP0116X**
This product is for research use only and is not intended for diagnostic use.

This product is a 66.9 kDa Human BDKRB1 membrane protein expressed in *in vitro* wheat germ 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

Molecular Weight
66.9 kDa

TMD
7

Sequence
MASSWPPLELQSSNQSQLFPQNATACDNAPEAWDLLHRVLPTFIISICFFGLLGNLFVLLVFLLPRRQLNVAEIYLANLAASDLVFVLG

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

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

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

Gene ID

623

UniProt ID

P46663

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