

Product Information

MemDX™ Membrane Protein Human BDKRB2 (Bradykinin receptor B2)

Cat. No.: **MP0003F**

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

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

BDKRB2

Protein Length

Full Length

Protein Class

Receptor

Molecular Weight

44 kDa

TMD

7

Sequence

MFSPWKISMFLSVREDSVPTTASFSAADMLNVTLQGPTLNGTFAQSKCPQVEWLGWLNTIQ
PPFLWLFLVLTLENIFVLSVFCLHKSSCTVAEIYLGNLAAADLILACGLPFWAITISNN
FDWLFGETLCRVVNAIISMNLYSSICFLMLVSDRYLALVKTMSMGRMRGVRWAKLYSLV
IWGCTLLLSSPMLVFRTMKEYSDEGHNVACVISYPSLIWEVFTNMLLNVVGFLPLSVI
TFCTMQIMQVLRNNEMQKFKEIQTERRATVLVLVLLLFIIICWLPFQISTFLDLHRLGI
LSSCQDERIIDVITQIASFMAYSNSCLNPLVYVIVGKRFRKKSWEVYQGVCQKGGCRSEP
IQMENSMTLRTSISVERQIHKLQDWAGSRQ

Product Description

Activity

Yes

Application

Screening & display technologies, Structural biology, Antibody development

Expression Systems

Cell-free expression system

Tag

Histidine tag fused to the N-terminal end of the protein

Protein Format

Proteoliposome

Form

Powder

Purification

Sucrose gradient

Purity

>75% by SDS-Page and Coomassie Blue staining

Buffer

Tris 50mM, pH 7.5

Storage

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

Target**Target Protein**

BDKRB2

Full Name

Bradykinin receptor B2

Introduction

This gene encodes a receptor for bradykinin. The 9 aa bradykinin peptide elicits many responses including vasodilation, edema, smooth muscle spasm and pain fiber stimulation. Bradykinin is released upon activation by pathophysiologic conditions such as trauma and inflammation, and binds to its kinin receptors, B1 and B2. The B2 receptor associates with G proteins that stimulate a phosphatidylinositol-calcium second messenger system.

Alternative Names

B2R, BK2, BK-2, BKR2, BRB2

Gene ID

[624](#)

UniProt ID

[P30411](#)