

## Datasheet for ABIN7491547 **BDKRB2 Protein**

[Go to Product page](#)

### Overview

Quantity:	100 µg
Target:	BDKRB2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc

### Product Details

Purpose:	Human BDKRB2 full length protein-synthetic nanodisc
Characteristics:	Unlike other membrane scaffold protein (MSP) Nanodisc on the market, our synthetic Nanodisc can be prepared directly from the cells. The polymers used during this process have a dual function. It dissolves the cell membranes, like the detergent, and uses cellular phospholipids to form Nanodisc around the membrane proteins. The target protein embedded Nanodiscs can then be purified.

### Target Details

Target:	BDKRB2
Alternative Name:	BDKRB2 ( <a href="#">BDKRB2 Products</a> )
Background:	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. [provided by

## Target Details

	RefSeq, Apr 2020]
Molecular Weight:	The human full length BDKRB2 protein has a MW of 44.5 kDa
UniProt:	<a href="#">P30411</a>
Pathways:	<a href="#">ACE Inhibitor Pathway</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>

## Application Details

Comment:	<p>Advantages of Synthetic Nanodiscs:</p> <ul style="list-style-type: none"><li>• Highly purified membrane proteins</li><li>• High solubility in aqueous solutions</li><li>• High stability</li><li>• Proteins are in a native membrane environment and remain biologically active</li><li>• No detergent and can be used for cell-based assays</li><li>• No MSP backbone proteins</li></ul> <p>Limitations of Synthetic Nanodiscs:</p> <ul style="list-style-type: none"><li>• Intolerant to acids and high concentrations of divalent metal ions</li></ul>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months