## **PRODUCT INFORMATION**

Tag C-Flag Tag BDKRB2 **Target** 

**Synonyms** B2R; BK-2; BK2; BKR2; BRB2

Human BDKRB2 full length protein-synthetic Description

nanodisc **Delivery** In Stock **Uniprot ID** P30411 **Expression Host HEK293** 

Storage & Shipping

**Background** 

Druggable Genome, GPCR, Transmembrane **Protein Families** 

Calcium signaling pathway, Complement and coagulation cascades, Neuroactive ligand-receptor interaction, Regulation of actin **Protein Pathways** 

cytoskeleton

The human full length BDKRB2 protein has a MW **Molecular Weight** 

of 44.5 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% Formulation & - 8% trehalose is added as protectants before Reconstitution

lyophilization. Please see Certificate of Analysis

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.

The protein is 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

**Usage** Research use only

Conjugate Unconjugated

Figure 1. Elisa plates were pre-coated with Flag Tag BDKRB2-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with BDKRB2-Nanodisc is 2.261ng/ml.

Figure 2. Human BDKRB2-Nanodisc, Flag Tag on SDS-PAGE

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)

Email: info@dimabio.com Website: www.dimabio.com

