

PRODUCT INFORMATION

Target	BDKRB2
Synonyms	B2R; BK-2; BK2; BKR2; BRB2
Description	Human BDKRB2 full length protein-synthetic nanodisc
Delivery	3-4 weeks
Uniprot ID	P30411
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Calcium signaling pathway, Complement and coagulation cascades, Neuroactive ligand-receptor interaction, Regulation of actin cytoskeleton
Molecular Weight	The human full length BDKRB2 protein has a MW of 44.5 kDa
Formulation & Reconstitution	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. Please see Certificate of Analysis for specific instructions. Do not use solvents with pH lower than 6.5 in subsequent experiments.
Storage & Shipping	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.
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 pathophysiological 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 RefSeq, Apr 2020]
Usage	Research use only

