PRODUCT INFORMATION

Target	BDKRB2
Synonyms	B2R; BK2; BK-2; BKR2; BRB2
Description	Recombinant human BDKRB2 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P30411
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	BDKRB2(Met1-Gln60) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 32.8 kDa after removal of the signal peptide. The apparent molecular mass of BDKRB2-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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 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 RefSeq, Apr 2020]
Usage	Research use only
Conjugate	Unconjugated

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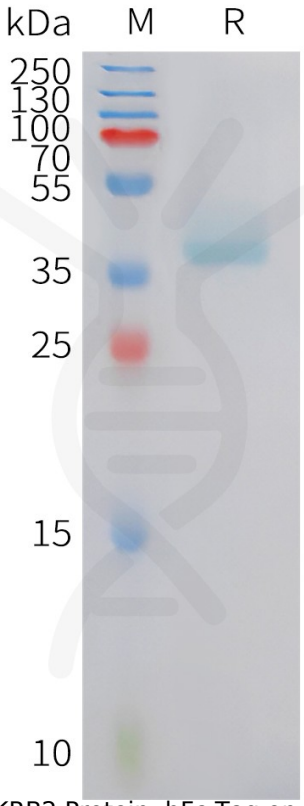


Figure 1. Human BDKRB2 Protein, hFc Tag on SDS-PAGE under reducing condition.

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