

Product datasheet for **RC210378L4V**

BDKRB2 (NM_000623) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BDKRB2 (NM_000623) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BDKRB2
Synonyms:	B2R; BK-2; BK2; BKR2; BRB2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000623
ORF Size:	1173 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210378).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000623.2 , NP_000614.1
RefSeq Size:	4197 bp
RefSeq ORF:	1176 bp
Locus ID:	624
UniProt ID:	P30411
Cytogenetics:	14q32.2
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane



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

MW: 44.5 kDa

Gene Summary: 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]