

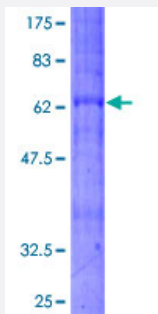
Full-Length

BDKRB2 (Human) Recombinant Protein (P01)

Catalog # H00000624-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human BDKRB2 full-length ORF (NP_000614.1, 1 a.a. - 391 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MFSPWKISMFLSVREDSVPTTASFADMLNVTLQGPTLNGTFAQSKCPQVEWLGWLNTIQPPFL
WVLFVLATLENIFVLSVFCLHKSSCTVAEMLGNLAAADLILACGLPFWAITISNFDWLFGETLCRV
VNAISMNLYSSICFLMLVSDRYLALVKTMSMGRMRGVRWAKLYSLVIWGCTLLLSSPMLVFRTMK
EYSDEGHNVTA CVISYPSLIWEVFTNMLLN VVGFLPLSVITFCTMQIMQVLRNNEMQKFKEIQTER
RATVLLVLLLFICWLPFQISTFLDLHRLGILSSCQDERIIDVITQIASFMAYSNSCLNPLVYVVGK
RFRKKSWEVYQGVCQKGGCRSEPIQMENSMGTLRTSISVERQIHKLQDWAGSRQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.9

Interspecies Antigen Sequence

Mouse (80); Rat (78)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BDKRB2

Entrez GeneID[624](#)**GeneBank Accession#**[NM_000623.2](#)**Protein Accession#**[NP_000614.1](#)**Gene Name**

BDKRB2

Gene Alias

B2R, BK-2, BK2, BKR2, BRB2, DKFZp686O088

Gene Description

bradykinin receptor B2

Omim ID[113503](#)**Gene Ontology**[Hyperlink](#)**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. This receptor associates with G proteins that stimulate a phosphatidylinositol-calcium second messenger system. Alternate start codons result in two isoforms of the protein. [provided by RefSeq]

Other Designations

-

Pathway

- [Calcium signaling pathway](#)

- [Complement and coagulation cascades](#)
- [Neuroactive ligand-receptor interaction](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Albuminuria](#)
- [Altitude Sickness](#)
- [Angioneurotic Edema](#)
- [Arrhythmias](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Cough](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hemolytic-Uremic Syndrome](#)
- [Hyperaldosteronism](#)

- [Hypertension](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Polycystic Kidney](#)
- [Polycystic kidney disease](#)
- [Proteinuria](#)
- [Pulmonary Disease](#)
- [Task Performance and Analysis](#)
- [Weight Loss](#)
- [Werner syndrome](#)