

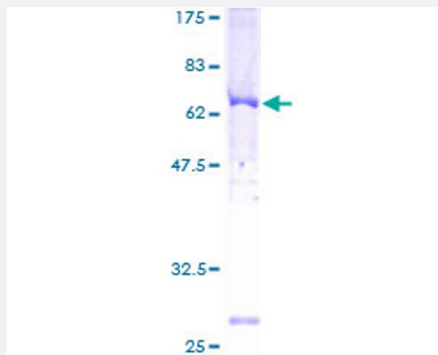
Full-Length

ADRBK2 (Human) Recombinant Protein (P01)

Catalog # H00000157-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ADRBK2 full-length ORF (AAH36797, 1 a.a. - 387 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MADLEAVLADVSYLMAMEKSKATPAARASKRIVLPEPSIRSVMQKYLAERNEITFDKIFNQKIGFLL
FKDFCLNEINEAVPQVKFYEEIKEYEKLDNEEDRLCRSRQYDAYIMKELLSCSHPFSKQAVEHVQ
SHLSKKQVTSTLFQPYEEICESLRGDIQKFMESDKFTRFCQWKNVELNIHMTMNEFSVHRIIGRG
GFGEVYGCRKADTGKMYAMKCLDKKRIKMKQGETLALNERIMLSLVSTGDCPFIVCMTYAFHTPD
KLCFILDLMNGGDLHYHLSQHGVSSEKEMRFYATEIILGLEHMHNRFFVYRDLKPANILLDEHGHAR
ISDLGLACDFSKKKPHASVGTGYMAPEVLQKGTAYDSSADWFSLGCMFLKLLRG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.31

Interspecies Antigen Sequence

Mouse (94)

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 — ADRBK2

Entrez GeneID[157](#)**GeneBank Accession#**[BC036797](#)**Protein Accession#**[AAH36797](#)**Gene Name**

ADRBK2

Gene Alias

BARK2, GRK3

Gene Description

adrenergic, beta, receptor kinase 2

Omim ID[109636](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The beta-adrenergic receptor kinase specifically phosphorylates the agonist-occupied form of the beta-adrenergic and related G protein-coupled receptors. Overall, the beta adrenergic receptor kinase 2 has 85% amino acid similarity with beta adrenergic receptor kinase 1, with the protein kinase catalytic domain having 95% similarity. These data suggest the existence of a family of receptor kinases which may serve broadly to regulate receptor function. [provided by RefSeq]

Other Designations

beta adrenergic receptor kinase 2

Pathway

- [Chemokine signaling pathway](#)
- [Endocytosis](#)
- [Olfactory transduction](#)

Disease

- [Anorexia Nervosa](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cocaine-Related Disorders](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)