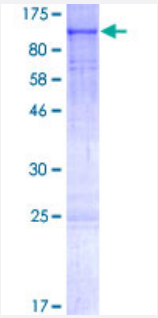
Full-Length

PRKG2 (Human) Recombinant Protein (P01)

Catalog # H00005593-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PRKG2 full-length ORF (AAI11598.1, 1 a.a. - 762 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGNGSVKPKHSKHPDGHSGNLTTDALRNKVTELERELRRKDAEIQEREYHLKELREQLSKQTVAI AELTEELQNKCIQLNKLQDVVHMQGGSPLQASPDKVPLEVHRKTSGLVSLHSRRGAKAGVSAEP TTRTYDLNKPPEFSFEKARVRKDSSEKKLITDALNKNQFLKRLDPQQIKDMVECMYGRNYQQGSYI IKQGEPGNHIFVLAEGRLEVFQGEKLLSSIPMWTTFGELAILYNCTRTASVKAITNVKTWALDREVF QNIMRRTAQARDEQYRNFLRSVSLLKNLPEDKLTKIIDCLEVEYYDKGDYIIREGEEGSTFFILAKGK VKVTQSTEGHDQPQLIKTLQKGEYFGEKALISDDVRSANIIAEENDVACLVIDRETFNQTVGTFEEL QKYLEGYVANLNRDDEKRHAKRSMSNWKLSKALSLEMIQLKEKVARFSSSSPFQNLEIIATLGVG GFGRVELVKVKNENVAFAMKCIRKKHIVDTKQQEHVYSEKRILEELCSPFIVKLYRTFKDNKYVYML LEACLGGELWSILRDRGSFDEPTSKFCVACVTEAFDYLHRLGIIYRDLKPENLILDAEGYLKLVDFG FAKKIGSGQKTWTFCGTPEYVAPEVILNKGHDFSVDFWSLGILVYELLTGNPPFSGVDQMMTYNLI LKGIEKMDFPRKITRRPEDLIRRLCRQNPTERLGNLKNGINDIKKHRWLNGFNWEGLKARSLPSPL QRELKGPIDHSYFDKYPPEKGMPPDELSGWDKDF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	110.77
Interspecies Antigen Sequence	Mouse (97); Rat (96)
Preparation Method	*in vitro* wheat germ expression system

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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 — PRKG2

Entrez GeneID	5593
GeneBank Accession#	BC111597
Protein Accession#	AAI11598.1
Gene Name	PRKG2
Gene Alias	PRKGR2, cGKII
Gene Description	protein kinase, cGMP-dependent, type II
Omim ID	601591
Gene Ontology	Hyperlink
Gene Summary	cGMP-dependent
Other Designations	OTTHUMP00000160807

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Pathway

- Gap junction
- Long-term depression
- Olfactory transduction

Disease

- Alcoholism
- Genetic Predisposition to Disease
- Gout
- Tobacco Use Disorder

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