

Bioactive

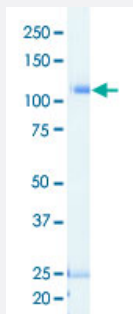
Full-Length

PRKG2 (Human) Recombinant Protein

Catalog # P5519

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human PRKG2 (NP_006250.1, 1 a.a. - 762 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	114
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	74 % by SDS-PAGE/CBB staining

Activity	The activity was determined by IMAP™ assay. The enzyme was incubated with fluorescein labeled peptide and cGMP. The phosphorylation was detected by IMAP™ technology (fluorescence polarization). Substrate: PKAtide3. ATP: 100 μ M.
Quality Control Testing	Loading 1 μ g protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — PRKG2

Entrez GeneID	5593
Protein Accession#	NP_006250.1
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

Pathway

- [Gap junction](#)

- [Long-term depression](#)
- [Olfactory transduction](#)

Disease

- [Alcoholism](#)
- [Genetic Predisposition to Disease](#)
- [Gout](#)
- [Tobacco Use Disorder](#)