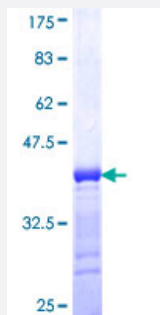


PRKG1 (Human) Recombinant Protein (Q01)

Catalog # H00005592-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PRKG1 partial ORF (NP_006249, 73 a.a. - 170 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RTKRQAISAEPTAFDIQDLSHVTLPFYKSPQSKDLIKEAILDNDFMKNLELSQIQEIVDCMYPVEYG KDSCIIKEGDVGSLVYVMEDGKVEVTKEGV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
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 — PRKG1

Entrez GeneID	5592
GeneBank Accession#	NM_006258
Protein Accession#	NP_006249
Gene Name	PRKG1
Gene Alias	CGKI, DKFZp686K042, FLJ36117, MGC71944, PGK, PKG, PRKG1B, PRKGR1B, cGKI-BETA, cGKI-alpha
Gene Description	protein kinase, cGMP-dependent, type I
Omim ID	176894
Gene Ontology	Hyperlink
Gene Summary	cGMP-dependent
Other Designations	OTTHUMP00000019619 OTTHUMP00000061216 protein kinase, cGMP-dependent, regulatory, type I, beta

Pathway

- [Gap junction](#)
- [Long-term depression](#)
- [Olfactory transduction](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Alzheimer Disease](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Diseases in Twins](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Mental Status Schedule](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Personality Inventory](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)