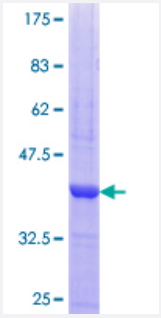
PRKACG (Human) Recombinant Protein (Q01)

Catalog # H00005568-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PRKACG partial ORF (AAH39888.1, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGNAPAKKDTEQEESVNEFLAKARGDFLYRWGNPAQNTASSDQFERLRTLGMGSFGRVMLVR HQETGGHYAMKILNKQKVVKMKQVEHILNEKRILQAID
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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 — PRKACG

Entrez GeneID	5568
GeneBank Accession#	BC039888
Protein Accession#	AAH39888.1
Gene Name	PRKACG
Gene Alias	KAPG, PKACg
Gene Description	protein kinase, cAMP-dependent, catalytic, gamma
Omim ID	176893
Gene Ontology	Hyperlink
Gene Summary	Cyclic AMP-dependent protein kinase (PKA) consists of two catalytic subunits and a regulatory s ubunit dimer. This gene encodes the gamma form of its catalytic subunit. The gene is intronless a nd is thought to be a retrotransposon derived from the gene for the alpha form of the PKA catalytic subunit. [provided by RefSeq
Other Designations	OTTHUMP00000021422|PKA C-gamma|serine(threonine) protein kinase

Pathway

- Apoptosis
- Calcium signaling pathway
- Chemokine signaling pathway
- Gap junction

- GnRH signaling pathway
- Hedgehog signaling pathway
- Insulin signaling pathway
- Long-term potentiation
- MAPK signaling pathway
- Melanogenesis
- Olfactory transduction
- Prion diseases
- Taste transduction
- Vascular smooth muscle contraction
- Vibrio cholerae infection
- Wnt signaling pathway