

Bioactive

Full-Length

PRKACG (Human) Recombinant Protein

Catalog # P6539

Size 5 ug

Applications

Result of activity analysis

Result of activity analysis



Specification

Product Description	Human PRKACG (NP_002723.2, 1 a.a. - 351 a.a.) full length recombinant protein with GST-tag at N-terminal using baculovirus expression system.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.7
Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescein-labeled substrate and Mg (or Mn)/ATP. Substrate: Kemptide, ATP: 100 uM.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Result of activity analysis
Result of activity analysis

Applications

- Functional Study

Gene Info — PRKACG

Entrez GeneID	5568
Protein Accession#	NP_002723.2
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 subunit dimer. This gene encodes the gamma form of its catalytic subunit. The gene is intronless and 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](#)