

全国订货电话 4008-723-722

PCP4 抗原(重组蛋白)

- 中文名称: PCP4 抗原(重组蛋白)
- 英文名称: PCP4 Antigen (Recombinant Protein)
- 储存: 冷冻(-20℃)
- 相关类别: 抗原

概述

Fusion protein corresponding to a region derived from N terminal 61 amino acids of human PCP4

技术规格

Full name:	purkinje cell protein 4
Synonyms:	PEP-19
Swissprot:	P48539
Gene Accession:	BC013791
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	PCP-4 (Purkinje cell protein 4), also known as PEP-19, is a calmodulin (CaM) regulatory protein that is highly expressed in neuronal cells. Thr ough its IQ motif, PCP-4 mediates both the calcium-dependent bindin g properties of CaM and the rates of association and dissociation of calcium from the C-terminal domain of CaM. The IQ motif contains a serine residue which can be phosphorylated by all isoforms of protein kinase C (PKC). PCP-4 is implicated in uterine leiomyomas, as well as i n neurodegenerative disorders such as Alzheimer' s disease and Hunti ngton's disease. Additionally, overexpression of PCP-4 is thought to pl ay a role in cerebellar hypoplasia, a key feature of Down syndrome.