

## 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 in neurodegenerative disorders such as Alzheimer's disease and Huntington's disease. Additionally, overexpression of PCP-4 is thought to play a role in cerebellar hypoplasia, a key feature of Down syndrome. |