

AR51519PU-S

Human PIM2 (1-311, His-tag) - Purified

Alternate names:

Pim-2, Pim-2h, Serine/threonine-protein kinase pim-2

Quantity:

50 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

Serine/threonine-protein kinase pim-2, also known as PIM2, is a serine/threonine protein kinase in the CAMK family. PIM2 is expressed in many tissues, with high levels in spleen, thymus, testis, small intestine, and colon. It is implicated in tumor phenotypes and may be involved in the formation and preservation of Long-Term Potentiation (LTP), a profuse, activity-dependent enhancement of synaptic efficacy that is implicated in long-term memory.

Uniprot ID:

[Q9P1W9](#)

NCBI:

[NP_006866](#)

GeneID:

[11040](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

Description:

Recombinant human PIM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMLTKPLQ GPPAPPGTPT PPPGGKDREA FEAERYLGPL
LGKGGFGTVF AGHRLTDLQ VAIKVIPIRNR VLGWSPLSDS VTCPLEVALL WKVGAGGGHP
GVIRLLDWFE TQEGFMLVLE RPLPAQDLFD YITEKGPLGE GPSRCFFGQV VAAIQHCHSR
GVVHRDIKDE NILIDLRRGC AKLIDFGSGA LLHDEPYTDF DGTRVYSPPE WISRHQYHAL
PATVWSLGIL LYDMVCGDIP FERDQEILEA ELHFPAHVSP DCCALIRRCL APKSSSRPSL
EEILLDPWMQ TPAEDVPLNP SKGGPAPLAW SLLP

Molecular weight: 36.6 kDa (334aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Hammerman P S., et al. (2005) Blood. 105: 4477-4483. Fox C J., et al. (2003) Genes Dev. 17: 1841-1854.

Pictures:

