

Recombinant human PIM2 protein

Catalog Number: ATGP2699

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-311aa

UniProt No.

Q9P1W9

NCBI Accession No.

NP_006866

Alternative Names

Serine/threonine-protein kinase pim-2, pim-2 oncogene

PRODUCT SPECIFICATION

Molecular Weight

36.6 kDa (334aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MLTKPLQ GPPAPPGTPT PPPGGKDREA FEAERYLGPL LGKGGFGTVF
AGHRLTDLRQ VAIKVIPRNR VLGWSPLSDS VTCPLEVALL WKVGAGGGHP GVIRLLDWF E TQEGFMLVLE RPLPAQDLFD
YITEKGPLGE GPSRCFFGQV VAAIQHCHSR GVVHRDIKDE NILIDLRRGC AKLIDFGSGA LLHDEPYTDF DGTRVYSPPE
WISRHYHAL PATVWSLGIL LYDMVCGDIP FERDQEILEA ELHFPAHVSP DCCALIRRCL APKSSRPSL EEILLDPWMQ
TPAEDVPLNP SKGGPAPLAW SLLP

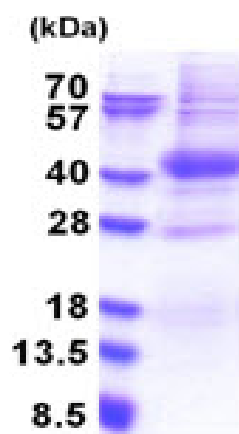
General References

Hammerman P S., et al. (2005) Blood. 105: 4477-4483.

Fox C J., et al. (2003) Genes Dev. 17: 1841-1854.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)