

PIM2, 1-311aa, Human, His tag, E.coli

Cat.NO.: TP03408

3th Edition

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

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.

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

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSM LTKPLQGPPAPPGTPTPPP GGKDREAFEAEYRLGPLL GKGGFGTVFAGH
RLTDRLQVAIKVIPRNRVLGWSPLSDSVTCPLEVALLWKVGAGGGH PGVIRLLDWFETQEGFMLVLERPLPAQDLF
DYITEKGPLGEGPSRCFFGQVVAIQHCHSRGVVHRDIKDENILIDLRRGCAKLIDFGSGALLHDEPYTDFDGTRVY
SPPEWISRHQYHALPATVWSLGILLYDMVCGDIPFERDQEILEAELHFPAHVSPDCCALIRRCLAPKPSSRPSLEEIL
LDPWMQTPAEDVPLNPSKGGPAPLAWSLLP

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.