
Product Data Sheet

Product Name: PIM2 Human
 Cat. No.: GP24186
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Pim-2 oncogene; Serine/threonine-protein kinase pim-2; Pim-2h; PIM2.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSMLTKPLQ GPPAPPGTPT PPPGGKDREA FEAEYRLGPL LGKGGFGTVF AGHRLTDRLQ VAIKVIPRNR VLGWSPLSDS VTCPLEVALL WKVGAGGGHP GVIRLLDWE TQEGFMLVLE RPLPAQDLFD YITEKGPLGE GPSRCFFGQV VAAIQHCHSR GVVHRDIKDE NILIDLRGRC AKLIDFGSGA LLHDEPYTDF DGTRVYSPPE WISRHQYHAL PATVWSLGIL LYDMVCGDIP FERDQEILEA ELHFPAHVSP DCCALIRRCL APKPSSRPSL EEILLDPWMQ TPAEDVPLNP SKGGPAPLAW SLLP.</p>		
Formulation	PIM2 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol.		

Introduction

PIM2 is a serine/threonine protein kinase which is a part of the CAMK family. PIM2 is expressed in various tissues mainly in spleen, thymus, testis and small intestine. PIM2 is implicated in tumor phenotypes and participates in the formation and preservation of Long-Term Potentiation (LTP). PIM2 is also involved in the positive regulation of chondrocyte survival and autophagy in the epiphyseal growth plate.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PIM2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 334 amino acids (1-311 a.a) and having a molecular mass of 36.6kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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PIM2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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