# NKMAXBIO We support you, we believe in your research

# Recombinant human PIM1 protein

Catalog Number: ATGP1997

#### PRODUCT INFORMATION

# **Expression system**

E.coli

#### **Domain**

38-290aa

#### UniProt No.

P11309

#### **NCBI Accession No.**

NP 002639.1

#### **Alternative Names**

Non-specific serine/threonine protein kinase, PIM

#### **PRODUCT SPECIFICATION**

### **Molecular Weight**

31.4 kDa (274aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

#### **Purity**

> 90% 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**

PIM1 belongs to the Ser/Thr protein kinase family, and PIM subfamily. This protein is expressed primarily in B-lymphoid and myeloid cell lines, and is overexpressed in hematopoietic malignancies and in prostate cancer. It plays a role in signal transduction in blood cells, contributing to both cell proliferation and survival, and thus provides a selective advantage in tumorigenesis. Both the human and orthologous mouse genes have been reported to encode two isoforms (with preferential cellular localization) resulting from the use of alternative inframe translation initiation codons, the upstream non-AuG (CuG) and downstream AuG codons. Recombinant



# NKMAXBio We support you, we believe in your research

# Recombinant human PIM1 protein

Catalog Number: ATGP1997

human Pim1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

# **Amino acid Sequence**

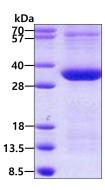
<MGSSHHHHHH SSGLVPRGSH M>YQVGPLLGS GGFGSVYSGI RVSDNLPVAI KHVEKDRISD WGELPNGTRV PMEVVLLKKV SSGFSGVIRL LDWFERPDSF VLILERPEPV QDLFDFITER GALQEELARS FFWQVLEAVR HCHNCGVLHR DIKDENILID LNRGELKLID FGSGALLKDT VYTDFDGTRV YSPPEWIRYH RYHGRSAAVW SLGILLYDMV CGDIPFEHDE EIIRGQVFFR QRVSSECQHL IRWCLALRPS DRPTFEEIQN HPWM

#### **General References**

Koike N., et al. (2000) FEBS Lett. 467:17-21 Ionov Y., et al. (2003) Anticancer Res. 23:167-178

# **DATA**

### **SDS-PAGE**



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

