

## 32-4457: Recombinant Human PIM1

**Alternative Name :** PIM,Serine/threonine-protein kinase pim-1,PIM1.

### Description

Source : E.coli. PIM1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 274 amino acids (38-290 a.a.) and having a molecular mass of 31.4kDa. PIM1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PIM1, which is a part of the Ser/Thr protein kinase family and PIM subfamily, is expressed primarily in B-lymphoid and myeloid cell lines, and is overexpressed in hematopoietic malignancies and in prostate cancer. PIM1 functions as Proto-oncogene with serine/threonine kinase activity involved in cell survival and cell proliferation, consequently providing a selective advantage in tumorigenesis. Both human and orthologous mouse genes have been reported to encode two isoforms resulting from the use of alternative in-frame translation initiation codons, the upstream non-AUG (CUG) and downstream AUG codons.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 10 µg   |
| <b>Purification :</b>      | Greater than 90% as determined by SDS-PAGE.   |
| <b>Content :</b>           | PIM1 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.  |
| <b>Storage condition :</b> | 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.   |
| <b>Amino Acid :</b>        | MGSSHHHHHH SSGLVPRGSH MYQVGPLLGS GGFGSVYSGI RVSDNLPVAI KHVEKDRISD<br>WGELPNGTRV PMEVLKKV SSGFSGVIRL LDWFERPDSF VLILRPEPV QDLDFITER GALQEELARS<br>FFWQVLEAVR HCHNCGVLHR DIKDENILID LNRGELKLID FGSGALLKDT VYTFDFGTRV YSPPEWIRYH<br>RYHGRSAAVW SLGILLYDMV CGDIPFEHDE EIIRGQVFFR QRVSSSECQHL IRWCLALRPS DRPTFEEIQN<br>HPWM. |

