9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PIM1 Human

PIM1 Human Recombinant
RCP1655

Product Overview

Name	PIM1 Human
Description	
PIM1 Human Recombinant	
Accession (Primary)	P11309
Synonyms	
PIM, Serine/threonine-protein kinase pim-1, PIM1.	
Introduction	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
PIM1 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
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	

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SLGILLYDMV CGDIPFEHDE EIIRGQVFFR QRVSSECQHL IRWCLALRPS DRPTFEEIQN HPWM.

Precautions

PIM1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P11309)