Crystal Structures of 1) Protein Tyrosine Phosphatase IB and 2) Ser/Thr Protein Kinase

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1) A truncated version (34KDa) of PTP1B, which only consists of residues 1-299 but has catalytic activity indistinguishable from 37KDa protein, has been overexpressed, purified and crystallized. Intensity data were collected from one crystal (0.2 x 0.2 x 0.3 mm³) at 100 K with a R-AXIS IV at The crystal belongs to a new BL24XU. trigonal space group P3,21 with cell dimensions a=88.1Å, c=71.3 Å. 96.5% unique reflections were significantly measured in a range of 50-1.4 Å resolution with the following intensity statistics: redundancy=3.0, <I/sigma>=27.5, Rmerge= The crystal structure has been solved by molecular replacement, and crystallographic refinement is now in progress.





