



Experiment title: Acylphosphatase from <i>Drosophila m.</i> Human Beta2 microglobulin H31Y	Experiment number: LS2183	
Beamline: ID14-2	Date of experiment: from: 11/12/2002 to: 13/12/2002	Date of report: 13/12/2002 <i>Received at ESRF:</i>
Shifts: 3	Local contact(s): S. Kozielski	

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Report:

Beta2 microglobulin H31Y mutant.

X-ray diffraction data on the His31->Tyr mutant of human Beta2 microglobulin have been already collected (ESRF and ELETTRA, Trieste –I) and its three dimensional structure determined by our group to a resolution of 2.8Å. A scientific communication is in preparation.

Several crystals were tested but no one showed better diffraction than previously tested, so no dataset have been collected on this protein.

Acylphosphatase from *Drosophila m.*

A dataset has been collected up to a resolution edge of 1.7Å with a completeness of 95%. Crystal belongs to the P3₁21 space group with unit cell constants $a=b=46.0\text{Å}$, $c=99.9\text{Å}$, $\alpha=\beta=90^\circ$, $\gamma=120^\circ$. Data have been reduced, integrated and scaled using the program Mosflm, Scala and Truncate up to a resolution of 1.9Å, $R_{\text{sym}}=11.0\%$.

Structure has been determined by molecular replacement and final refinement is in progress.