



	<b>Experiment title:</b> BAG Barcelona - Human Rhinovirus 2-LDL-Receptor complex	<b>Experiment number:</b> LS1522
<b>Beamline:</b> ID14.2	<b>Date of experiment:</b> from: 13-Feb-00 to: 15-Feb-00	<b>Date of report:</b> 2-Aug-00
<b>Shifts:</b>	<b>Local contact(s):</b> Laurence Dumon	<i>Received at ESRF:</i>

**Names and affiliations of applicants (\* indicates experimentalists):**

Nuria Verdaguer\*, Research Scientist  
Institut de Biologia Molecular de Barcelona CSIC  
Jordi Girona, 18-26 08034-Barcelona (Spain)

Ignasi Fita\*, Research Scientist  
Institut de Biologia Molecular de Barcelona CSIC  
Jordi Girona, 18-26 08034-Barcelona (Spain)

**Report:**

HRV2 is a representative member of the minor receptor group of human rhinoviruses, that uses the LDR receptor for cell attachment. The crystallographic structure of HRV2 has been recently determined in our group.

We have managed to crystallise complexes between HRV2 and a fragment of the LDLR encompassing three ligand binding repeats. These crystals have been tested at the beam line ID14.2. Crystals diffract at least to 3. A resolution and belong to the orthorhombic space group  $P2_12_12$ . The unit cell parameters are  $a=313$  A,  $b=348$ . A  $c=381$  A.

We are now growing new crystals in order to collect a complete data set in the next visit.