

INFORMATION SHEET	VERSION
<b>QUALITY CONTROL (QC) OF PURIFIED PROTEINS REQUEST FORM</b> <b>(PLEASE FILL IN ONE FORM PER PROTEIN)</b>	C

Lab name:	Unit Code:	Main budget Code:
Group leader:	Group leader E-mail:	
Main contact:	Main contact mail:	

The process will provide you with a full qualitative control (QC) of your purified protein and can help you identify conditions in which it is best behaved. We propose 2 levels of analysis:

### Choose your type of request

#### Initial sample assessment

##### Option a

- Aggregation level (UV spectrum + DLS)
- Protein integrity (MALDI)
- Purity (MALDI, UV, electrophoresis)
- Quantification (UV, IR)

##### Option b

- Aggregation level (UV spectrum + DLS)
- Protein integrity (MALDI)
- Purity (MALDI, UV, electrophoresis)
- Quantification (UV, IR)
- +
- Homogeneity and oligomerization state determination (MP)

##### None

#### Sample optimization

##### Option a

Solubility and stability tests:

- Buffer screening (DLS)
- +
- Sample storage conditions at 4°C, 20°C, -80°C, 4°C, 37°C (DLS)

##### Option b

Solubility and stability tests for structural studies:

- Buffer screening (DLS + nanoDSF)

##### None

Wished date of experiment

#### Sample description

Name of protein

Protein origin

Is the sample recombinant?  No  Yes

Please specify the host of expression:

Type of produced protein

Protein concentration - select the method used

Please give: The available concentration

and volume

or total amount (if freeze-dried protein)

Storage temperature (-80°C, -20°C, 4°C)

Final buffer composition



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Please insert the full peptidic sequence (If your protein contains tags and/or linker or any changes to the sequence, please take them into consideration) :

Degree of purity – please attach a picture of gel and/or chromatogram:

Purification protocol:

### Safety Risks

Group of risk of the original organism:  group 1     group 2     group 3     group 4  
<https://www.legifrance.gouv.fr/loda/id/JORFTEXT000000548724>

Does the sample present any risk to human health?  No     Yes     Uncertain

Does the sample present any risk to the environment?  No     Yes     Uncertain

Is there any danger associated with the reception, the handling or the disposal of the protein sample?  
 No     Yes     Uncertain

**Please save the form and send it to [qcprotein@pasteur.fr](mailto:qcprotein@pasteur.fr)**



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