THE HEBREW UNIVERSITY OF JERUSALEM
האוניברסיטה העברית בירושלים

**THE PROTEIN PURIFICATION UNIT**
**THE WOLFSON CENTRE FOR**
**APPLIED STRUCTURAL BIOLOGY**

**היחידה לניקוי חלבונים**
**מרכז וולפסון**
**ליישומי ביולוגיה מבנית**

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# Protein Information Submission Form

P.I. name:
Contact Person:
Affiliation:
Address:
E-mail address:
Phones:
Name of protein/s:

Dear customer, please fill in this form as thoroughly as possible. The more information, the better we could perform the expression/purification tasks.

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|---|
| Protein Name: |
| Molecular Weight (kDa): |
| pI: |
| Oligomeric state: |
| Complex: |
| Function of Protein: |
| Origin / Species: |
| Intended use of the protein: |
| Quantity: |
| Purity: |
| Name of vector, annotated map and amino acid sequence: |

| |
|---|
| Expression (mark x in appropriate box)<br>☐ Expression in bacteria<br>☐ Expression in insect cells<br>☐ Expression in mammalian cells<br>☐ Cell free expression<br>☐ Natural (non-recombinant). Source: |
| Expression results according to PAGE-SDS (Coomasie stain, Western blot, etc.): |
| Activity assay (results): |
| Cellular localization: |
| Cell lysis procedure (French Press, sonication, etc.): |
| Suggested lysis buffer (buffer, pH, salts, detergent, co-factors, protease inhibitors, etc.): |
| Suggested purification buffer (buffer, pH, salts, detergent, co-factors, protease inhibitors, etc.): |
| Suggested storage buffer and storage conditions (buffer, pH, salts, detergent, co-factors, protease inhibitors, etc.): |
| Suggested storage conditions (temperature, aliquots, etc): |
| Possible post translational modifications (glycosilation, phosphorilation, etc.): |
| Cell Centrifugation possible: |
| Extracellular Protein: |
| Proteases from Strain: |
| Membrane Bound/Associated: |
| Inclusion Bodies: |
| Aggregation tendency: |
| Hydrophobicity of the Protein: |
| Temperature Stability: |
| pH stability range: |
| Known co-factors, ligands, divalent cations, etc : |
| Salt range stability: |
| Required salt concentration in the sample: |
| Preliminary scale (initial growth volume): |
| Final production scale: |
| Solvent resistant Protein: |
| Requires/sensitive to detergents: |

| | |
|---|---|
| Requires/sensitive to chelating reagents (EDTA, EGTA, etc): | |
| Requires/sensitive to divalent cations: | |
| Requires/sensitive to reducing agents: | |
| Number of Cystein residues: | Disulfide bridges: |
| Other available information | |
| History / Failures of purification | |

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