

*Division of Signal Transduction Therapy*

**Standard Operation Procedure**

**Preparation of Ubiquitin (phospho Ser 65)**

<b><u>Enzyme description:-</u></b>	Ubiquitin (phospho Ser 65)
<b><u>Clone number:-</u></b>	n/a
<b><u>Source:-</u></b>	bovine (SIGMA) or recombinant bacteria
<b><u>Tag:-</u></b>	N/A
<b><u>Purification method:-</u></b>	Phosphorylation by MBP-PINK1 (T.c.) Purification over S and Q.
<b><u>Expression level:-</u></b>	Recovery 5% - 10% of input.
<b><u>Calculated molecular mass:-</u></b>	
Monoisotopic	Da
Average Mass	Da
[cysteines reduced, methionines have not been oxidised]	
<b><u>Theoretical pI:-</u></b>	
<b><u>Purity:-</u></b>	90%
<b><u>Enzyme storage buffer:-</u></b>	
50mM Tris pH 7.5	
<b><u>Storage temperature:-</u></b>	-80°C
<b><u>Assay:-</u></b>	
Activates Parkin E3 ligase	