

Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of Ubiquitin (phospho Ser 65)

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