M1 (linear) Di-Ubiquitin (Phosphorylated)



Cat. # SI0102P

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Application(s)

- Investigation of phosphoubiquitin chain specificity and selectivity
- Studies on the role of phosphoubiquitin chains in protein degradation pathways (e.g., proteasomal and autophagic degradation)
- Analysis of phosphoubiquitin-mediated signaling pathways and cellular responses
- Structural studies to elucidate the architecture and dynamics of phosphoubiquitin chains
- Screening assays to identify modulators of phosphoubiquitin chain assembly and disassembly processes

Product Specifications

Affinity Tag	None
Purity	\geq 95% estimated by HPLC-MS
Molecular Weight	17.9 KDa
Quantity	25 µg
Species	Human
Expression System	E. Coli
Physical State	Liquid
Buffer	50 mM Tris, pH 7.5, 0.15 M NaCl
Solubility	>1 mg/mL
Stability & Storage	-80° C. Avoid repeated freeze/thaw cycles

References

- Khan, M.; Syed, G.H.; Kim, S-J.; Siddiqui, A. Hepatitis B Virus-Induced Parkin-dependent Recruitment of Linear Ubiquitin Assembly Complex (LUBAC) to Mitochondria and Attenuation of Innate Immunity. PLoS Pathog. 2016, 12, e1005693.
- 2. Swatek, K.N. & Komander, D. Ubiquitin Modifications. Cell Res. 2016, 26, 399-422.
- 3. Yau, R. & Rape, M. The increasing complexity of the ubiquitin code. Nature Cell. Bio. 2016, 18, 579-586.

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