

DESCRIPTION

Source Chemically Synthesized
Accession # Q16665

Predicted Molecular Mass 5290.9 Da

SPECIFICATIONS

Purity >98%, by HPLC.

Formulation 100 μ M in 10% (w/v) ammonium bicarbonate. See Certificate of Analysis for details.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Store at -20°C or -80°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

This biotinylated peptide includes a sequence from human Hypoxia-Inducible Factor 1-alpha (HIF-1 α) including a 4-hydroxyline proline residue corresponding to proline 564 in UniProt Q16665. The peptide can be ubiquitinated by a VHL/Elongin B/Elongin C/CUL2/RBX complex (catalog number E3-655) in vitro using wild-type ubiquitin or lysine-less ubiquitin ("Ub-NOK"). A matched negative control peptide (catalog S-345) with an unmodified proline residue is available; depending on experimental conditions the negative control peptide is ubiquitinated at \leq 5% of the level of the peptide containing 4-hydroxyproline.