

Recombinant human ubiquitin protein, His tagged, phosphorylated, pS65

Cat. No. UBB-47H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ubiquitin protein with His tag (phosphorylated, pS65) was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin has a major role in targeting cellular proteins for degradation by the 26S proteasome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. An aberrant form of this protein has been detected in patients with Alzheimer's disease and Down syndrome. Pseudogenes of this gene are located on chromosomes 1, 2, 13, and 17. Alternative splicing results in multiple transcript variants.
Tag	His
Molecular Mass	9.5 kDa
AA Sequence	MHHHHHHMQIFVKLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQRLLIFAGKQLE

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DGRTLSDYNIQKESTLHLVLRIRGG

Purity > 95% by SDS-PAGE.

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.5 mg/mL

Storage Buffer Sterile 10mM Hepes, 150mM NaCl, pH7.5

GENE INFORMATION

Gene Name [UBB ubiquitin B \[Homo sapiens \(human\) \]](#)

Official Symbol [UBB](#)

Synonyms UBB; ubiquitin B; HEL-S-50; polyubiquitin-B; epididymis secretory protein Li 50; polyubiquitin B

Gene ID [7314](#)

mRNA Refseq [NM_018955](#)

Protein Refseq [NP_061828](#)

MIM [191339](#)

UniProt ID [P0CG47](#)

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