

Recombinant Human UBB Protein (Met1-Gly75), N-10×His-tagged

Cat. No. UBB-15H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UBB Protein (Met1-Gly75) with YADLREDPDRQDHHPGSGAQ at C-terminus fused with N-10×His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Gly75
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.
Bio-activity	Bioassay data are not available.
Molecular Mass	Predicted Molecular Mass: 13 kDa

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	SDS-PAGE: 13 kDa, reducing conditions
N-terminal Sequence Analysis	Ala
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain
Applications	Bioactivity
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 µm filtered solution in PBS.
Shipping	The product is shipped with dry ice or equivalent.
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

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MIM	191339
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UniProt ID	P0CG47
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