

## Product datasheet for **AR05092PU-N**

### Ubiquitin Bovine Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Ubiquitin bovine protein, 25 mg
Species:	Bovine
Purity:	SDS PAGE: >90%
Buffer:	Presentation State: Purified State: Lyophilized purified protein
Reconstitution Method:	With sterile DI water.
Preparation:	Lyophilized purified protein
Applications:	ELISA.
Protein Description:	Native Ubiquitin from bovine erythrocytes.
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the protein undiluted at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001268645</a>
Locus ID:	7314
UniProt ID:	<a href="#">P0CG47, Q5U5U6</a>
Cytogenetics:	17p11.2
Synonyms:	HEL-S-50



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**Summary:**

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. [provided by RefSeq, Aug 2013]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Parkinson's disease