

## Product datasheet for **AR39022PU-L**

### UBL5 (1-73, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	UBL5 (1-73, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MIEVVCNDRL GKKVRVKCNT DDTIGDLKKL IAAQTGTRWN KIVLKKWYTI FKDHVSLGDY EIHDGMNLEL YYQ
Tag:	His-tag
Predicted MW:	10.7 kDa
Concentration:	lot specific
Purity:	>95 %
Buffer:	Presentation State: Purified State: Liquid purified peptide Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 2 mM DTT
Preparation:	Liquid purified peptide
Protein Description:	Recombinant human UBL5, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001041706</u>
Locus ID:	59286
UniProt ID:	<u>Q9BZL1, A0A024R7B0</u>
Cytogenetics:	19p13.2
Synonyms:	HUB1



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**Summary:**

This gene encodes a member of a group of proteins similar to ubiquitin. The encoded protein is not thought to degrade proteins like ubiquitin but to affect their function through being bound to target proteins by an isopeptide bond. The gene product has been studied as a link to predisposition to obesity based on its expression in *Psammomys obesus*, the fat sand rat, which is an animal model for obesity studies. Variation in this gene was found to be significantly associated with some metabolic traits (PMID: 15331561) but not associated with childhood obesity (PMID: 19189687). Pseudogenes of this gene are located on chromosomes 3, 5 and 17. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2013]

**Product images:**