

## Product datasheet for **AR51321PU-S**

### Cathepsin W (22-376, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Cathepsin W (22-376, His-tag) human recombinant protein, 50 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSIRGPLRA QDLGPQPLEL KEAFKLFQIQ FNRSYLSPEE HAHRLDIFAH NLAQAQLQE EDLGTAEFGV TPFSDLTEEE FGQLYGYRRA AGGVPSMGRE IRSEEPESV PFSCDWRKVA GAISPIKDQK NCNCWAMAA AGNIETLWRI SFWDFVDVSV QELLDGCRGC DGCHGGFVWD AFITVLNNSG LASEKDYPFQ GKVRAHRCHP KKYQKVAWIQ DFIMLQNEH RIAQYLATYG PITVTINMKP LQLYRKGVIK ATPPTCDPQL VDHSVLLVGF GSVKSEGIW AETVSSQSQP QPPHPTPYWI LKNSWGAQWG EKGYFRLHRG SNTCGITKFP LTARVQKPD M KPRVSCPP
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	42 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human CTSW protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001326</a>
<b>Locus ID:</b>	1521
<b>UniProt ID:</b>	<a href="#">P56202</a>
<b>Cytogenetics:</b>	11q13.1
<b>Synonyms:</b>	LYPN



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**Summary:**

The protein encoded by this gene, a member of the peptidase C1 family, is a cysteine proteinase that may have a specific function in the mechanism or regulation of T-cell cytolytic activity. The encoded protein is found associated with the membrane inside the endoplasmic reticulum of natural killer and cytotoxic T-cells. Expression of this gene is up-regulated by interleukin-2. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Protease

**Protein Pathways:**

Lysosome

**Product images:**