

## Product datasheet for **AR51909PU-N**

### UCHL1 / PGP9.5 (1-223, His-tag) Mouse Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	UCHL1 / PGP9.5 (1-223, His-tag) mouse recombinant protein, 0.5 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMQLKPME INPEMLNKL AKLGVAGQWR FADVLGLEEE TLGSVPSPAC ALLLLFPLTA QHENFRKKQI EELKGQEVSP KVFYFMKQTIG NSCGTIGLIH AVANNQDKLE FEDGSVLKQF LSETEKLSPE DRAKCFEKNE AIQAAHDSVA QEGQCRVDDK VNFHFILFNN VDGHLIELDG RMPFPVNHGA SSEDSSLQDA AKVCREFTER EQGEVRFSAV ALCKAA
Tag:	His-tag
Predicted MW:	27.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffered saline containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse Uchl1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_035800</a>
Locus ID:	22223
UniProt ID:	<a href="#">Q9R0P9</a>
Cytogenetics:	5 35.95 cM
Synonyms:	AW822034; C88048; gad; PGP 9.5; PGP9.5; R75593; UCH-L1; UCHL-1


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**Summary:**

Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins (Probable). This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin (PubMed:12913066). Also binds to free monoubiquitin and may prevent its degradation in lysosomes (PubMed:12913066). The homodimer may have ATP-independent ubiquitin ligase activity (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**
