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# Product datasheet for AR51406PU-N

## Cathepsin E (57-363, His-tag) Human Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Cathepsin E (57-363, His-tag) human recombinant protein, 0.5 mg |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MGSSHHHHHH SSGLVPRGSH MGSTESCSMD QSAKEPLINY LDMEYFGTIS IGSPPQNFTV IFDTGSSNLW VPSVYCTSPA CKTHSRFQPS QSSTYSQPGQ SFSIQYGTGS LSGIIGADQV SVEGLTVVGQ QFGESVTEPG QTFVDAEFDG ILGLGYPSLA VGGVTPVFDN MMAQNLVDLP MFSVYMSSNP EGGAGSELIF GGYDHSHFSG SLNWVPVTKQ AYWQIALDNM LWSVPTLTSC RMSPSPLTES PIPSAQLPTP YWTSWMECSS AAVAFKDLTS TLQLGPSGSW GMSSFDSFTQ SLTVGITVWD WPQQSPKEGP CVCACLSDRP |
| **Tag:** | His-tag |
| **Predicted MW:** | 35.4 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >85% by SDS - PAGE |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol |
| **Preparation:** | Liquid purified protein |
| **Protein Description:** | Recombinant human CTSE protein, fused to His-tag at N-terminus, was expressed in E.coli. |
| **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:** | NP_001304260 |
| **Locus ID:** | 1510 |
| **UniProt ID:** | P14091, B4DNU8 |
| **Cytogenetics:** | 1q32.1 |
| **Synonyms:** | CATE |

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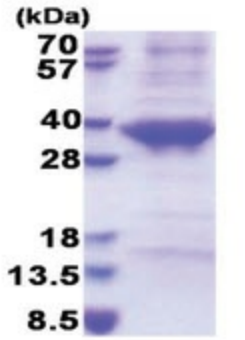
**Summary:** This gene encodes a member of the A1 family of peptidases. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature enzyme. This enzyme, an aspartic endopeptidase, may be involved in antigen processing and the maturation of secretory proteins. Elevated expression of this gene has been observed in neurodegeneration. [provided by RefSeq, Nov 2015]

**Protein Families:** Druggable Genome, Protease

**Protein Pathways:** Lysosome

## Product images:



15% SDS-PAGE (3ug)