



## ATG7 blocking peptide (CDBP5085)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Antigen Description</b> | This gene was identified based on homology to <i>Pichia pastoris</i> GSA7 and <i>Saccharomyces cerevisiae</i> APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin activating enzymes. [provided by RefSeq, Jan 2009] |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | Used as a blocking peptide in immunoblotting applications.  |
| <b>Format</b>              | Liquid  |
| <b>Concentration</b>       | 200 µg/mL   |
| <b>Size</b>                | 0.05 mg   |
| <b>Preservative</b>        | None  |
| <b>Storage</b>             | -20°C   |

### GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | <a href="#">ATG7 autophagy related 7 [ Homo sapiens (human) ]</a>  |
| <b>Official Symbol</b> | ATG7   |
| <b>Synonyms</b>        | ATG7; autophagy related 7; GSA7; APG7L; APG7-LIKE; ubiquitin-like modifier-activating enzyme ATG7; hAGP7; autophagy-related protein 7; ATG12-activating enzyme E1 ATG7; ATG7 autophagy related 7 homolog; ubiquitin activating enzyme E1-like protein; ubiquitin-activating enzyme E1-like protein |
| <b>Entrez Gene ID</b>  | <a href="#">10533</a>  |

---

|                       |  |
|-----------------------|--|
| <b>mRNA Refseq</b>    | <a href="#">NM_001136031</a>   |
| <b>Protein Refseq</b> | <a href="#">NP_001129503</a>   |
| <b>UniProt ID</b>     | O95352   |
| <b>Pathway</b>        | Adaptive Immune System; Antigen processing: Ubiquitination and Proteasome degradation; Class I MHC mediated antigen processing and presentation; Immune System; Regulation of autophagy; Senescence and Autophagy  |
| <b>Function</b>       | Atg12 activating enzyme activity; Atg12 activating enzyme activity; Atg8 activating enzyme; protein binding; protein homodimerization activity; transcription factor binding; ubiquitin activating enzyme activity |

---