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## Datasheet for ABIN1675398 ATG12 Protein (AA 1-157) (His tag)

### Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg   |
| Target:                       | ATG12  |
| Protein Characteristics:      | AA 1-157                                     |
| Origin:                       | Neurospora crassa                            |
| Source:                       | Yeast  |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This ATG12 protein is labelled with His tag. |
| Application:                  | ELISA  |

### Product Details

|                  |  |
|------------------|--|
| Sequence:        | MASSQPLHGT ASPSLVHDDN NPNSSTASPV LEGRDSPNLP LTMTASTVLM TLPRDATAAL<br>AEAGTFDQEK VVIRFKPVGS APALRREQVK VLSTHSFETV VAYLRKTLKV QETDSVFLYV<br>NSVFAPALDE VVGNLWRCFK DSTNQLNVSF SMTPSFG     |
| Specificity:     | Neurospora crassa (strain ATCC 24698 / 74-OR23-1A / CBS 708.71 / DSM 1257 / FGSC 987)  |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity:          | > 90 %   |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | ATG12  |
| Alternative Name: | Ubiquitin-like protein ATG12 (atg-12) ( <a href="#">ATG12 Products</a> ) |

## Target Details

|             |  |
|-------------|--|
| Background: | Recommended name: Ubiquitin-like protein ATG12.<br>Alternative name(s): Autophagy-related protein 12 |
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|          |                        |
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| UniProt: | <a href="#">Q7S083</a> |
|----------|------------------------|

|           |                           |
|-----------|---------------------------|
| Pathways: | <a href="#">Autophagy</a> |
|-----------|---------------------------|

## Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
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|               |                       |
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| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|         |             |
|---------|-------------|
| Format: | Lyophilized |
|---------|-------------|

|                |             |
|----------------|-------------|
| Concentration: | 0.2-2 mg/mL |
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|         |                                  |
|---------|----------------------------------|
| Buffer: | Tris-based buffer, 50 % glycerol |
|---------|----------------------------------|

|                  |   |
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| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
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|          |        |
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| Storage: | -20 °C |
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|                  |  |
|------------------|--|
| Storage Comment: | Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C. |
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