

## Recombinant Human UFC1 Protein (A2-Q167), Tag Free

**Cat. No.** UFC1-0406H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human (GG)-UFC1(A2-Q167 end) Protein was expressed in Insect cell.                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | A2-Q167                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | E1-like enzyme which specifically catalyzes the second step in ufmylation. Accepts the ubiquitin-like modifier UFM1 from the E1 enzyme UBA5 and forms an intermediate with UFM1 via a thioester linkage. Ufmylation is involved in reticulophagy (also called ER-phagy) induced in response to endoplasmic reticulum stress. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                       |
| <b>Endotoxin</b>        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | 95%                                                                                                                                                                                                                                                                                                                          |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                          |

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|                       |                                                                                |
|-----------------------|--------------------------------------------------------------------------------|
| <b>Storage Buffer</b> | Supplied as sterile 25mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol, 1mM DTT. |
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| <b>Shipping</b> | It is shipped out with blue ice. |
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## GENE INFORMATION

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| <b>Gene Name</b> | UFC1 ubiquitin-fold modifier conjugating enzyme 1 [ Homo sapiens (human) ] |
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|                        |      |
|------------------------|------|
| <b>Official Symbol</b> | UFC1 |
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| <b>Synonyms</b> | UFC1; ubiquitin-fold modifier conjugating enzyme 1; ubiquitin-fold modifier-conjugating enzyme 1; HSPC155; Ufm1-conjugating enzyme 1; |
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| <b>Gene ID</b> | 51506 |
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| <b>mRNA Refseq</b> | NM_016406 |
|--------------------|-----------|

|                       |           |
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| <b>Protein Refseq</b> | NP_057490 |
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| <b>MIM</b> | 610554 |
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|-------------------|--------|
| <b>UniProt ID</b> | Q9Y3C8 |
|-------------------|--------|

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