

## Product datasheet for **LY300464**

### UFC1 Human Knockdown Lysate

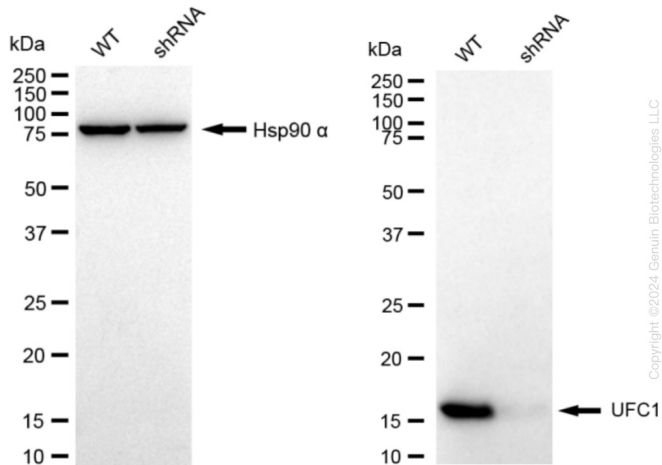
#### Product data:

|                  |   |
|------------------|---|
| Product Type:    | Knockdown Lysates   |
| Description:     | WB-validated UFC1 Knockdown HeLa Cell Lysate  |
| Species:         | Human   |
| Expression Host: | HeLa  |
| Tag:             | Tag Free  |
| Synonyms:        | UFC1; Ubiquitin-Fold Modifier Conjugating Enzyme 1; HSPC155; Ubiquitin-Fold Modifier-Conjugating Enzyme 1; Ufm1-Conjugating Enzyme 1; NEDSG |
| Predicted MW:    | 19 kDa  |
| Components:      | 1 vial of 100 ug WT HeLa cell lysate<br>1 vial of 100 ug UFC1 KD HeLa cell lysate   |
| Storage:         | Store at -20 °C for two years.  |
| Concentration:   | Lot-specific  |
| Buffer:          | IntactProtein Cell-Tissue Lysis buffer  |
| Locus ID:        | 51506   |
| UniProt ID:      | <u><a href="#">Q9Y3C8</a></u>   |



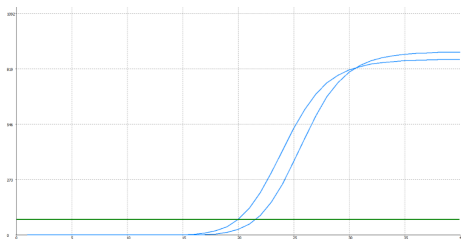
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## Product images:



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Western blotting analysis. UFC1 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against UFC1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.



| Genotype                        | Ct Value |
|---------------------------------|----------|
| Wild-Type                       | 19.56    |
| Knock-Down                      | 21.24    |
| $\Delta Ct (Ct_{KD} - Ct_{WT})$ | 1.68     |
| % mRNA Reduction                | ↓ 69%    |

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RT-qPCR analysis. HeLa cells were infected with UFC1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers.  $\Delta Ct (Ct_{KD} - Ct_{WT})$  was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula:  $(1 - 1/2^{\Delta Ct}) \times 100\%$ .