

## MATERIAL DATA SHEET

### Recombinant Human DDB1/DCAF8 Complex

#### Cat. # E3-503

DDB1- and CUL4-associated factor 8 (DCAF8) is a putative substrate receptor for an E3 Ubiquitin ligase located in the cytoplasm and cell nucleus. In myocytes, DCAF8 colocalizes with MuRF1 and the two ligases have been shown to contribute to muscle atrophy. Knockdown of DCAF8 in C2C12 myotubes inhibits myosin heavy chain degradation in a model system for muscle wasting. In hepatocytes, DCAF8 contributes to progressive ubiquitination of lysine 79 on histone H3, a process that plays an important role in postnatal liver maturation. This product consists of DDB1 (UniProt Q16531) and DCAF8 (UniProt Q5TAQ9).

#### Product Information

<b>Quantity:</b>	25 µg
<b>MW:</b>	127 kDa (DDB1), 67 kDa (DCAF8)
<b>Source:</b>	<i>Spodoptera frugiperda</i> , Sf21 (baculovirus)-derived human DDB1/DCAF8 Complex protein Accession # Q16531, Q5TAQ9
<b>Stock:</b>	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 200 mM NaCl, 10% (v/v) Glycerol, 1 mM DTT
<b>Purity:</b>	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.

#### Use & Storage

<b>Use:</b>	Typical concentration to support in vitro applications will depend on experimental conditions.
<b>Storage:</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>• 60 months from date of receipt, -70 °C as supplied.</li><li>• 3 months, -70 °C under sterile conditions after opening.</li></ul>

## Literature

### References:

1. Jin, J. et al. (2006) Mol. Cell **23**: 709
2. Li, G. et al. (2017) Cell Rep. **18**: 1499 doi:10.1016/j.celrep.2017.01.039
3. Nowak, M. et al. (2019) J. Cell Sci. **132**: jsc233395. doi: 10.1242/jcs.233395

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