LifeSensors

from genomics to proteomics

Ubiquitin Conjugating Enzymes and Conjugation Assays: Deciphering the Complexity of Ubiquitylation

We offer a large selection of enzymes to study the multi-step process of ubiquitylation: E1-E2-E3.

It is as easy as 1-2-3!

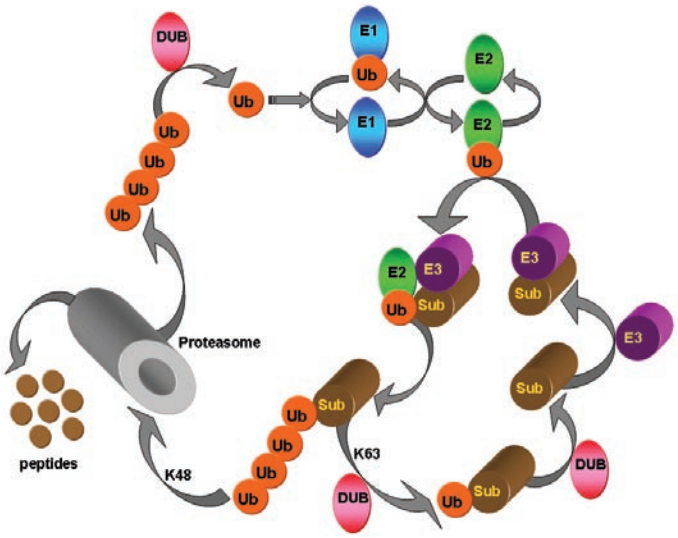
Create your own assay

OR

Use our preconfigured ubiquitin conjugation assays to measure the activity of ubiquitin conjugating enzymes

- Microtiter plate-based
- High Throughput Screening
- A wide range of E2s and E3s

E1-E2-E3 conjugation machinery



Ref: *Marblestone et al,* 2010 (in press)

APPLICATIONS:

- Quantitation of E2 and/or E3 Ligase activity
- Demonstration of novel E2 or E3 Activity
- Identification of novel substrates for E3 of Interest
- Confirmation of Putative E3 substrates
- High throughput screening (HTS) for antagonists or agonists of ligases
- Monitoring enzyme activity during purification

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Contact Us
To Learn More:
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To order, please call
610-644-8845 or visit
www.lifesensors.com

Novel, easy to customize tools to study the complicated world of ligases:

Create an assay that meets your expectations

E_3LITE Custom Ubiquitin Ligase Kit

- Quantitative measure of E3 ligase activity
- Choice of E2
- Native, unlabeled ubiquitin

E3 Substrate Identification Kit for Microarrays

- Identification of novel substrates for E3 enzymes
- Novel, sensitive poly-ubiquitin detection reagent with nanomolar affinity
- Over 20 E2 conjugation enzymes representing members of each enzyme class

Select a single enzyme for your experimental design or create a customized assay

E1, E2, E3 – see our website to make a selection

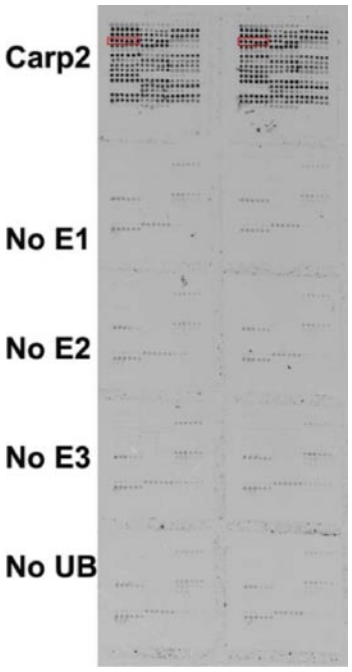
E2 customized profiling kit or E2 selectivity panel –select from over 25 ligases and save $$! **NEW**

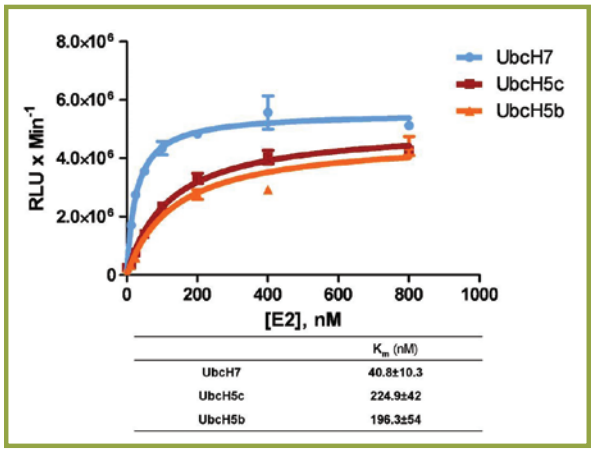
E_3LITE Custom Ubiquitin Ligase Kit **NEW**

E3 Substrate Identification Service and Kit for Microarrays: **DIY or our team will do it for you!**

Generate reliable data

Measuring Km values for E2 conjugating enzymes with the E3 ligase, E6AP





E3 Substrate Identification Kit for microarrays example