

Chemiluminescent (AML) & Fluorescence Polarization (FP) Deconjugating Enzyme Substrates

Catalog #	Product description
U-556	Ubiquitin-Aminoluciferin (Ub-AML)

- Linear signal over 5 orders of magnitude
- Superior S:N ratio of 1000 compared to other substrates
- Highly purified and fully characterized
- 1000 fold signal increase over peptide-AML substrates

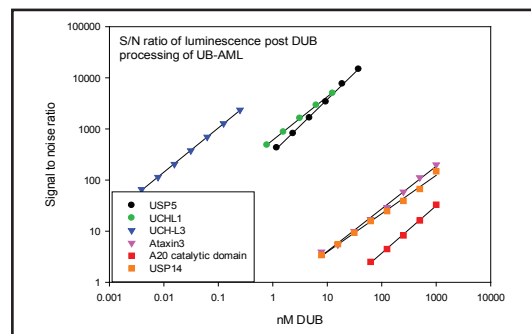


Figure 1. Ub-AML has strong signal to noise ratio with 1.3 μ M Ub-AML. The value is the signal to noise ratio plotted against the enzyme concentration analyzed.

Catalog #	Product description
UL-704	SUMO-1-Aminoluciferin (SUMO-1-AML)

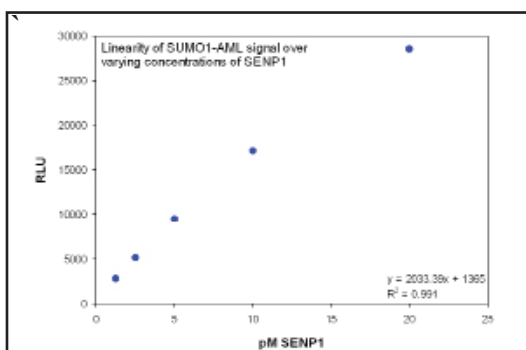


Figure 1: SUMO-AML efficiently processed by SENP1 with a linear signal as SENP1 concentration increases.

Catalog #	Product description
UL-804	NEDD8-Aminoluciferin (NEDD8-AML)

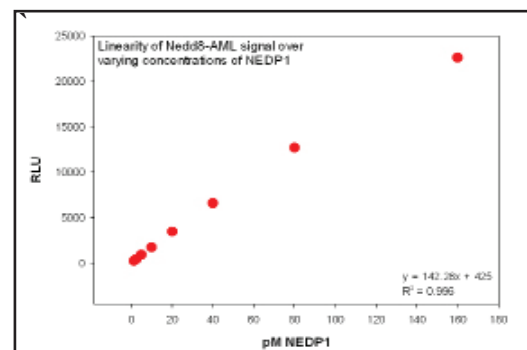


Figure 1: NEDD8-AML is efficiently processed by NEDP1 with a linear signal as NEDP1 concentration increases.

Catalog #	Product description
U-558	Ubiquitin-Lys-TAMRA (Ub-K-TAMRA, FP)

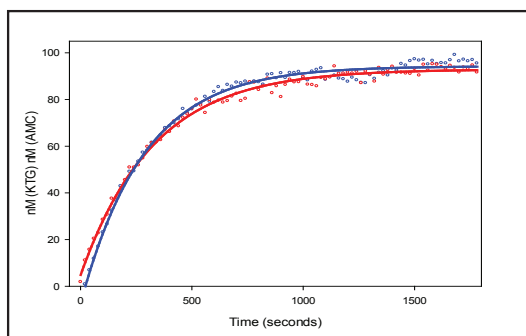


Figure 1. Performance of Ub-K-TAMRA vs. Ub-AMC. 40nM USP25 was incubated with 100nM Ub-AMC or Ub-FP

- Isopeptide bond between Ub and lysine
- Stable FP signal over extended time periods
- Similar hydrolysis rates to Ubiqui-Fluor when tested against a panel of DUBs.