

Recombinant hSUMO1-AMC

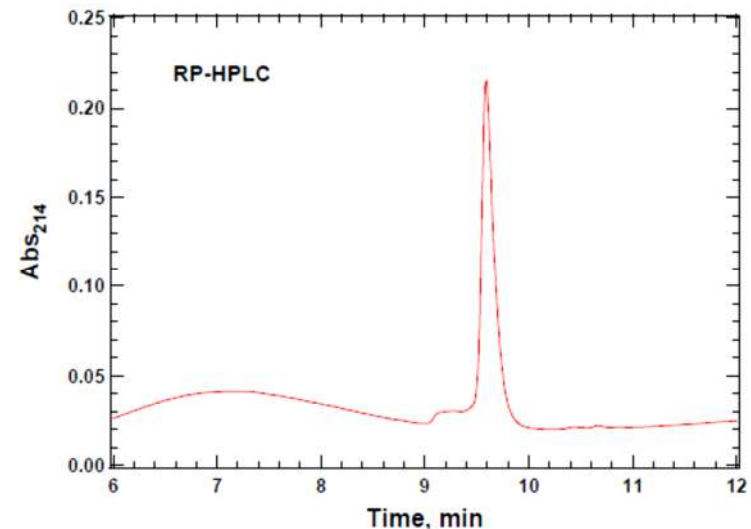
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|----------------------------|---|-------|
| CATALOG #: | 6412-50 | 50 µg |
| ALTERNATE NAMES: | Small ubiquitin-related modifier 1, SUMO-1, Sentrin, Ubiquitin-like protein SMT3C, SMT3 homolog 3, Ubiquitin-homology domain protein PIC1, Ubiquitin-like protein UBL1, GAP-modifying protein 1, GMP1, SUMO1, SMT3C, SMT3H3, UBL1, PIC1, SMT3, DAP-1, OFC10, SENP2. | |
| PURITY: | ≥ 95% by RP-HPLC | |
| MOL. WEIGHT: | 11.142 kDa | |
| FORMULATION: | Lyophilized powder. | |
| STORAGE CONDITIONS: | Aliquot and store at -80°C. Avoid repeated freezing and thawing cycles. | |

DESCRIPTION:

hSUMO1-AMC is prepared via the conjugation of 7-amino-4-methylcoumarin (AMC) to the C-terminal Gly of hSUMO1. This conjugation quenches the intrinsic fluorescence of AMC. Upon incubation with a protease recognizing hSUMOs, such as Senp1 or Senp2, AMC is released and the increase in fluorescence at 460 nm (Exc. 380 nm) can be measured. The enhanced purity of hSUMO1-AMC compared to that of other commercial vendors leads to a greater signal to noise ratio. This protein contains no extraneous tags.

APPLICATIONS:

- Used for determining the activity and specificity of SUMO-specific hydrolases. High throughput screening for modulators of desumoylase activity.



RP-HPLC of Human Recombinant hSUMO1-AMC

RELATED PRODUCTS:

- SUMO1, human recombinant (Cat. No. 4941-100, -1000)
- SUMO2, human recombinant (Cat. No. 4942-100, -1000)
- SUMO3, human recombinant (Cat. No. 4943-100, -1000)
- hSUMO2-AMC (Cat. No. 6413-50)
- hSUMO2-Rhodamine (Cat. No. 6414-50)

FOR RESEARCH USE ONLY! Not to be used in humans.