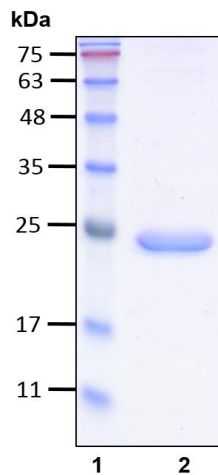


6xHis-SEN2 (catalytic domain)

Cat. # H9220, H9221

Also Known as: AXAM2; SMT3IP2
NCBI Reference: NM_021627.2
MW (no tag): 26.6 kDa
Species: Human
Source: Bacterial recombinant
Tag: 6xHis
Stock Buffer: 20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol
Concentration: See tube label
Quality Assurance: >95% by SDS-PAGE

Image



Coomassie-stained SDS-PAGE
Lane 1: Molecular weight markers
Lane 2: 5 μ g purified 6xHis-SEN2 (catalytic domain)

Description: SUMO1-3 (small ubiquitin-related modifiers) are ubiquitin-like proteins that can be conjugated to substrate proteins using a cascade of enzymatic reactions. Protein sumoylation can be reversed by the sentrin-specific (SUMO is also named sentrin) proteases (SENPs). In human cells, SENPs have six members including SENP1, SENP2, SENP3, SENP5, SENP6 and SENP7. SENPs mostly reside in the nucleus. They function to generate mature SUMO1-3 from the SUMO precursors and attenuate signals mediated by sumoylation. The SENP2 catalytic domain comprises amino acid from 365 to 590.

Storage: Store at -80°C; avoid multiple freeze-thaw cycles

Literature:
1. Hickey CM, *et al.* (2012) Nat Rev Mol Cell Biol. 13(12):755-66.
2. Yeh ET, *et al.* (2009) J Biol Chem. 284(13):8223-7.

