



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### SMYD4, FLAG-tag

Human, recombinant, N-terminal FLAG-tag

**Catalog #:** 51057

**Lot #:** 160304-2      **Conc.:** 0.22 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 20% glycerol, 0.2 mM TCEP, 80 µg/ml FLAG peptide

**Stability:** At least 6 months at -80°C. *Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended.*

**References:**

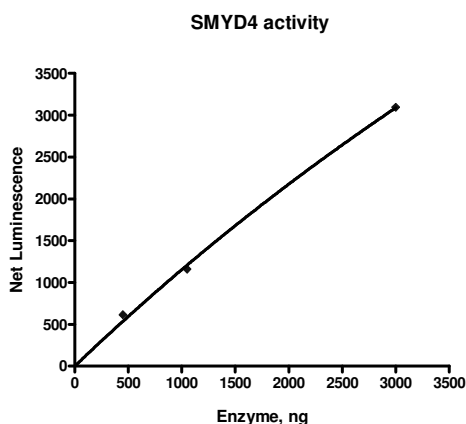
1. Gauduchon J. et al., Int J Cancer. 2008 May 1;122(9):2130-41.
2. Faast R. et al., Oncogene. 2004 Jan 15;23(2):491-502.

**Description:** Human SET and MYND-containing protein 4 (SMYD4), also known as KIAA1936, amino acids 2-804(end), with N-terminal FLAG-tag GenBank Accession No. NM\_052928, MW = 90 kDa. This protein is expressed in a Baculovirus infected Sf9 cell expression system.

**Assay Conditions:** Add 50 µl reaction mix (100 µM S-adenosylmethionine, SMYD4 enzyme, and HMT buffer 7Z' (BPS #52193Z) to wells coated with the substrate. Incubate 3-16 h. Add antibody against methylated K4 residue of histone H3, incubate 1 hr. Then, add secondary HRP-labeled antibody and incubate 30 min. Finally, add HRP chemiluminescent substrates and read luminescence.

**Application:** Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

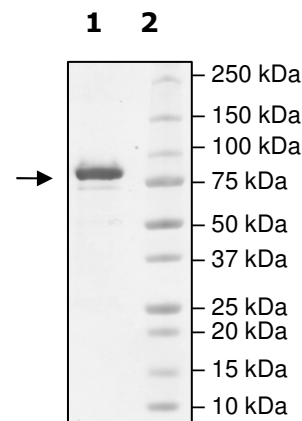
## Quality Assurance



**4-20% SDS-PAGE  
 Coomassie staining**

**Lane 1:**  
 3 µg SMYD4  
**Lane 2:**  
 Protein Marker

**Purity:** ≥90%  
**MW:** 90 kDa



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