



# SZABO SCANDIC

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- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### USP5(IsoT), FLAG-tag

Human, recombinant, N-terminal FLAG-tag

**Catalog #:** 80355

**Lot#:** 120213

**Conc.:** 0.37 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 80 ng/μl FLAG peptide, 3 mM DTT, 20% glycerol.

**Stability:** At least 6 months at  $-80^{\circ}\text{C}$ . Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

**References:**

1. Dayal, S., *et al.* (2009). *J. Biol. Chem.* **284(8)**:5030-41.
2. Reyes-Turcu, F.E., *et al.* (2008). *J. Biol. Chem.* **283(28)**:19581-92.

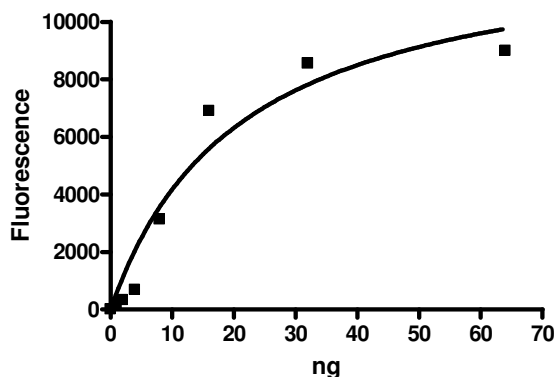
**Description:** Human USP5 (Ubiquitin-Specific Protease 5) or Isopeptidase T (IsoT), GenBank Accession No. NM\_001098536, amino-acids 2-858(end) with an N-terminal FLAG-tag, MW=96 kDa, expressed in a baculovirus-infected Sf9 cell expression system.

**Specific Activity:** 12 pmole/min/μg

**Assay Conditions:** Reaction was performed in 50 mM Tris, pH 7.4, 1 mM DTT, 0.5 mM EDTA, 500 nM Ub-AMC, and USP5 in a 50 μL reaction. Reaction was incubated at  $37^{\circ}\text{C}$  for 15 min and fluorescent signal was measured at excitation = 340 nm, emission = 460 nm.

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

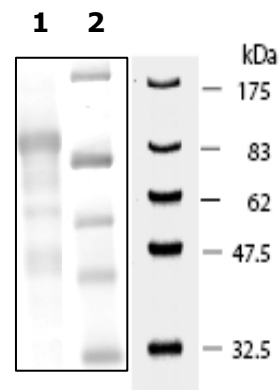
### Quality Assurance



**10% SDS-PAGE** →  
**Coomassie staining**

**Lane 1:**  
2.3 μg USP5  
**Lane 2:**  
Protein Marker  
BioLabs (#P7708L)

**MW:** 96 kDa  
**Purity:** ≥51%



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