



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Data Sheet

### USP2

Human, recombinant, N-terminal His-tag  
**Catalog #:** 80392  
 Lot#: 120928                      Conc.: 1.0 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 7.5,  
 110 mM NaCl, 2.2 mM KCl, 15 mM β-  
 mercaptoethanol, 250 mM Imidazole,  
 and 20% glycerol

**Stability:** >6 months at -80°C

**References:**

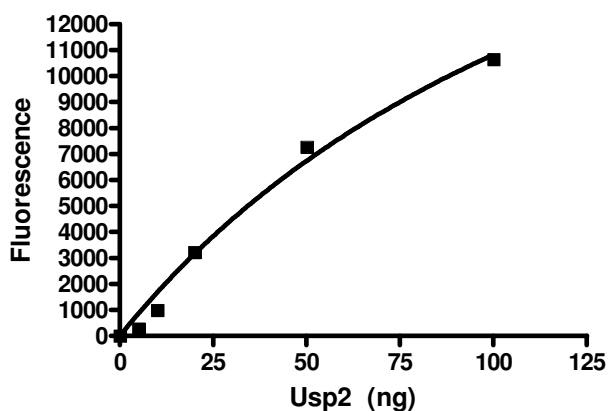
1. Stevenson, L.F., *et al.* (2010). *EMBO J.* **140(3)**: 384-96.
2. Priolo, C., *et al.* (2006). *Cancer Res.* **66(17)**: 8625-32.
3. Haimerl, F., *et al.* (2009). *J. Biol. Chem.* **284(1)**: 495-504.

**Description:** Human USP2 (Ubiquitin-Specific Protease 2) or UPB41, GenBank Accession No. NM\_004205, amino-acids 259-605(end) with an N-terminal His-tag, MW=40.9 kDa, expressed in an *E. coli* cell expression system.

**Specific Activity:** 247 pmol/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 USP2 in a 50 μL reaction. Reaction was incubated at 37°C for 15 min and fluorescent signal was measured at excitation = 340 nm, emission = 460 nm.

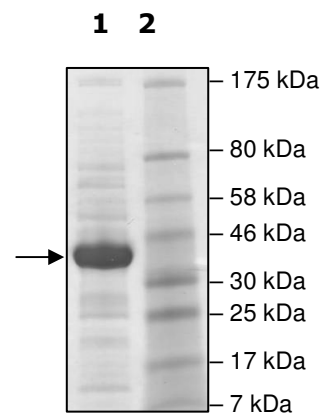
**Application:** Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

### Quality Assurance



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

**Lane 1:**  
 5 μg USP2  
**Lane 2:**  
 Protein Marker  
**MW:** 40.9 kDa  
**Purity:** ≥85%





6044 Cornerstone Court W, Ste E  
San Diego, CA 92121  
**Tel:** 1.858.829.3082  
**Fax:** 1.858.481.8694  
**Email:** [info@bpsbioscience.com](mailto:info@bpsbioscience.com)

**Sequence:**

**MHHHHHHHNSKSAQGLAGLRNLGNTCFMNSILQCLSNTRELRDYCLQRLYMRDLHHG  
SNAHTALVEEFAKLIQTIWTSSPNDVVSPSEFKTQIQRYAPRFVGYNQDQAQEFRLFL  
LDGLHNEVNRVTLRPKSNPENLDHLPDDEKGRQMWRKYLEREDSRIGDLFVGQLKS  
SLTCTDCGYCSTVFDPFWDLSLPIAKRGYPEVTLMDCMRLFTKEDVLDGDEKPTCCR  
CRGRKRCIKKFSIQRFKILVLHLKRFSESRI RTSKLTTFVNFPLRDLDLREFASENTNH  
AVYNLYAVSNHSGTTMGGHYTAYCRSPGTGEWHTFNDSSVTPMSSSQVRTSDAYLL  
FYELASPPSRM**

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