



# SZABO SCANDIC

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### USP7, His-FLAG-tag

Human, Recombinant, N-terminal His-Flag tag  
**Catalog #:** 80395  
**Lot #:** 141020-F2                      **Conc.:** 0.34 mg/ml

**Formulated in:** 40 mM Tris-HCl, 110 mM NaCl, 2.2 mM KCl, Variable mM imidazole and 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:**

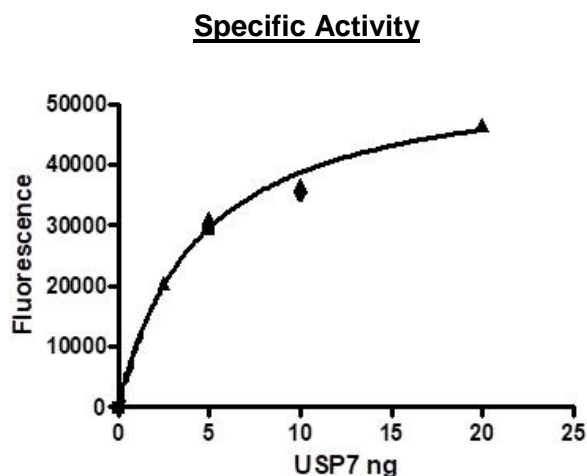
1. Fernandez-Montalvan, A., *et al.*, *FEBS J.* 2007 Aug; **274(16)**:4256-70.
2. Li, M., *et al.*, *Mol Cell.* 2004 Mar 26; **13(6)**:879-86.

**Description:** Human ubiquitin specific peptidase 7 (USP7) or HAUSP, GenBank Accession No. NM\_003470, a.a. 2 – 1102 (end) with N-terminal His-Flag tag, MW = 130 kDa, expressed in a baculovirus infected Sf9 cell expression system.

**Specific Activity:** 545 pmol/min/ $\mu\text{g}$   
**Assay Conditions:** Reaction was performed in 50 mM Tris pH 7.4, 1 mM DTT, 0.5 mM EDTA, 500 nM Ub-AMC, and various amount of USP7 in a volume of 50  $\mu\text{L}$ . Reaction was incubated at  $37^{\circ}\text{C}$  for 15 min and fluorescent signal was measured at excitation of 360 nm, and emission at 460 nm.

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

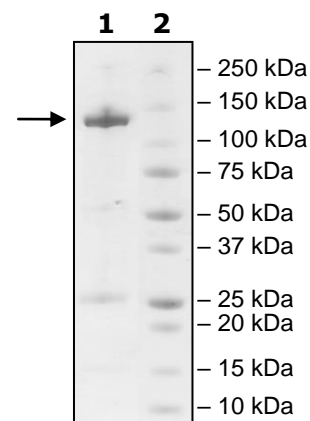
### Quality Assurance



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

**Lane 1:**  
 2 $\mu\text{g}$  USP7  
**Lane 2:**  
 Protein Marker

**MW:** 130 kDa  
**Purity:**  $\geq 90\%$



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**Amino Acid Sequence:**

**MHHHHHHDYKDDDDK**NHQQQQQQKAGEQQLSEPEDMEMEAGDTDDPPRITQNPV  
INGNVALSDGHNTAEEDMEDDTSWRSEATFQFTVERFSRLSESVLSPPCFVRNLPWK  
IMVMPRFYPDRPHQKSVGFLLQCNAESDSTSWSCHAQAVLKIINYRDDEKSFRRISH  
LFFHKENDWGFNSFMAWSEVTDPEKGFIDDDKVTFEVQADAPHGVAWDSKKHTG  
YVGLKNQGATCYMNSLLQTLFFTNQLRKAVYMMPTGDDSSKSVPLALQRVFYELQ  
HSDKPVGTKKLTKSFGWETLDSFMQHDVQELCRVLLDNVENKMKGTCEGTIPKLF  
GKMVSYIQCKEVDYRSDRREDDYDIQLSIKGGKNIFESFVDYVAVEQLDGDNKYDAGE  
HGLQEAEGVKFLTLPPVLHLQLMRFMYDPQTDQNIKINDRFEFPEQLPLDEFQKTD  
PKDPANYILHAVLVHSGDNHGGHYVVYLNPKGDGKWCKFDDDDVVSRACTKEEAIEHNY  
GGHDDDLVSRHCTNAYMLVYIRESKLSEVLQAVTDHDIPQQLVERLQEEKRIEAQKRK  
ERQEAHLYMQVQIVAEDQFCGHQGNMYDEEKVKYTVFKVLKNSSLAEFVQSLSQT  
MGFPQDQIRLWPMQARSNGTKRPAMLDNEADGNKTMIELSDNENPWTFLETVDPEL  
AASGATLPKFDKDHVMLFLKMYDPKTRSLNYCGHIYTPISCKIRDLLPVMCDRAGFI  
QDTSLLIYEEVKPNLTERIQDYDVSLDKALDELMDGDIIVFQKDDPENDNSELPTAKEY  
FRDLYHRVDVIFCDKTIPNDPGFVVTLNRMNYFQVAKTVAQRLNTDPMLLQFFKSQG  
YRDGPGNPLRHNYEGTLRDLLQFFKPRQPCKLYYQQLKMKITDFENRRSFKCIWLNS  
QFREEITLYPDKHGCVRDLLEECKKAVELGEKASGKLRLLLEIVSYKIIGVHQEDELLE  
CLSPATSRTRFRIEEIPLDQVDIDKENEMLVTVAHFHKEVFGTFGIPFLLRIHQGEHFREV  
MKRIQSLLDIQEKEFEKFKFAIVMMGRHQYINDEYEVNLKDFEPQPGNMSHPRPWL  
GLDHFNKAPKRSRYTYLEKAIKIH

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