



# SZABO SCANDIC

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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### Ubch5a, His-Tag

Human, Recombinant, N-terminal His tag

**Catalog #:** 80315

**Lot #:** 140115-B    **Conc.:** 0.71 mg/ml

**Formulated in:** 45 mM Tris-HCl, pH 8.0, 124 mM NaCl, 2.4 mM KCl, 225 mM imidazole, 10% glycerol, and 3 mM DTT.

**Stability:** At least 6 months at  $-80^{\circ}\text{C}$ . Avoid freeze/thaw cycles. Protein may be diluted to  $\geq 100 \mu\text{g/ml}$  in PBS + glycerol and stored at  $-80^{\circ}\text{C}$ .

**References:**

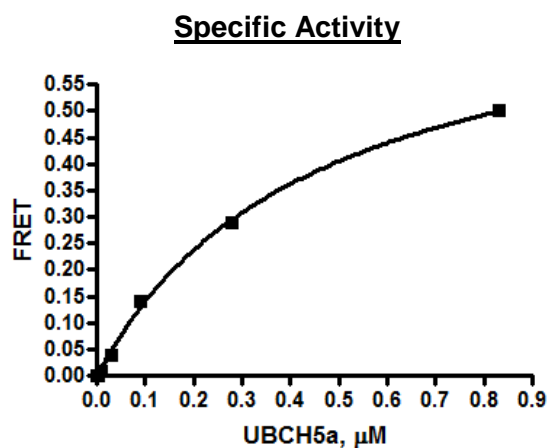
1. Markson G. et al., Genome Res. (2009) In press.
2. Nuber U. and Scheffner M., J. Biol. Chem. 274 (11), 7576-7582 (1999).

**Description:** Human Ubch5a (GenBank Accession No. NM\_003338), amino-acids 2-end, with N-terminal His tag, MW=17 kDa, expressed in an E.Coli expression system.

**Assay Conditions:** 10  $\mu\text{L}$  of reaction mixture contains 50 mM Tris, pH 7.4, 5 mM  $\text{MgCl}_2$ , 0.01% Tween, 1 mM DTT, 0.2  $\mu\text{M}$  Ub[Biotin], 50 nM Ube1, 1 mM ATP, and various amount of E2. The reaction was initiated with the addition of ATP, and incubated at  $30^{\circ}\text{C}$  for 3 hours. Tb labeled anti-His antibody donor and xl665 labeled acceptor was added and incubated at room temperature for hour.

**Application:** Useful in conjunction with E1 and E3 for the studies of enzyme kinetics, screening inhibitors and selectivity profiling .

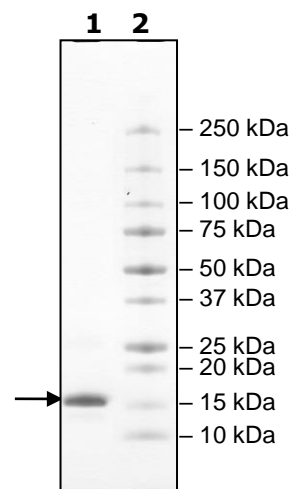
### Quality Assurance



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

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

**MW:** 17 kDa  
**Purity:**  $\geq 90\%$



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