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- Gefahrgutzuschlag
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### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### Ataxin-3

Human, recombinant, N-terminal His-tag

Catalog #: 80399

Lot #:101019                      Conc.: 1.18 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:** >6 months at -80°C

**References:**

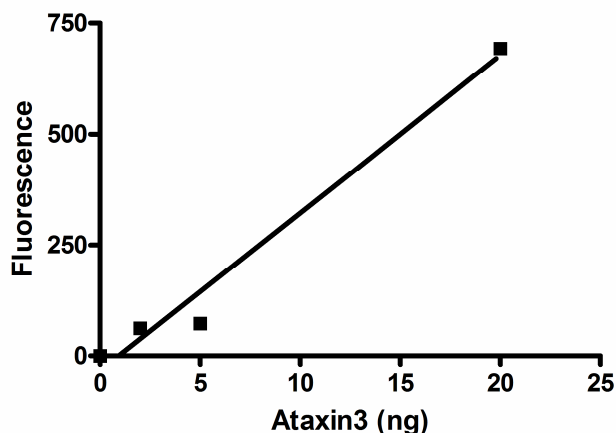
1. do Carmo Costa, M., *et al.* (2010). *PLoS One* **5(7)**:e11728.
2. Jung, J., *et al.* (2009). *Hum Mol Genet.* **18(24)**:4843-52.
3. Macedo-Ribeiro, S., *et al.* (2009). *PLoS One* **4(6)**: e5834.

**Description:** Human Ataxin-3 (ATX3 or ATXN3), also known as Josephin (JOS), Machado-Joseph disease protein 1 (MJD1) or Spinocerebellar ataxia type 3 (SCA3), GenBank Accession No. NM\_004993, amino-acids 2-362(end) with an N-terminal His-tag, MW=42.1 kDa, expressed in *E. coli*.

**Activity Assay:** Reaction was performed in 50 mM Tris, pH 7.4, 1 mM DTT, 0.5 mM EDTA, 500 nM Ub-AMC, and Ataxin-3 (0-0.4 ng/μL) 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.

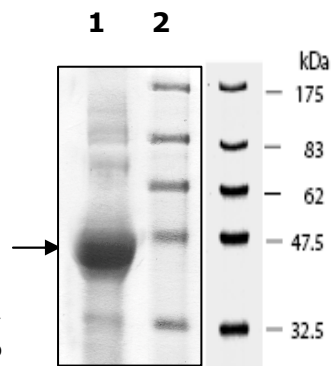
### Quality Assurance



**10% SDS-PAGE  
 Coomassie staining**

**Lane 1:**  
 10 μg Ataxin-3  
**Lane 2:**  
 Protein Marker  
 BioLabs (#P7708L)

**MW:** 42 kDa.  
**Purity:** ≥60%



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