



# SZABO SCANDIC

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- Gefahrgutzuschlag
- Expressversand

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## Data Sheet

### **XIAP (full length)**

Human, recombinant, N-terminal FLAG tag

**Catalog #:** 80401

**Lot#:** 120126-A      **Conc.:** 0.39 mg/ml

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

**Stability:** >6 months at -80 °C

#### **References:**

1. Gu L. *et al.*, *Cancer Cell* **15** (5), 363-375 (2009).
2. Deveraux Q.L. *et al.*, *Nature* **388** (6639), 300-304 (1997).

#### **Description:**

Human x-linked inhibitor of apoptosis (XIAP), also known as IAP-like protein, API3, X-linked IAP, and BIRC4 (GenBank Accession No. NM\_001167), full length containing Bir1, Bir2 and Bir3 domains, with N-terminal FLAG tag, MW= 57 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

#### **Application:**

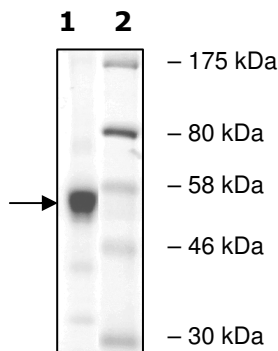
Useful as an Ubiquitin ligase in conjunction with E1 and E2 for the study of enzyme kinetics. Ideal for Bir Domain binding and inhibition studies of Caspases 3, 7, and 9. Also useful for screening inhibitors, and selectivity profiling.

## **Quality Assurance**

### **10% SDS-PAGE Coomassie Staining**

**Lane 1:** 2.8 μg XIAP  
**Lane 2:** Protein Marker

**MW:** 57 kDa  
**Purity:** ≥83%



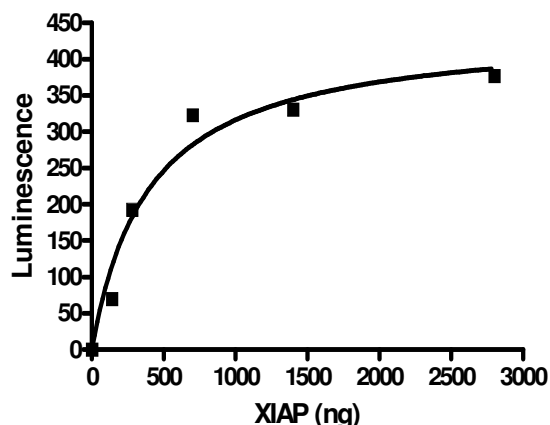
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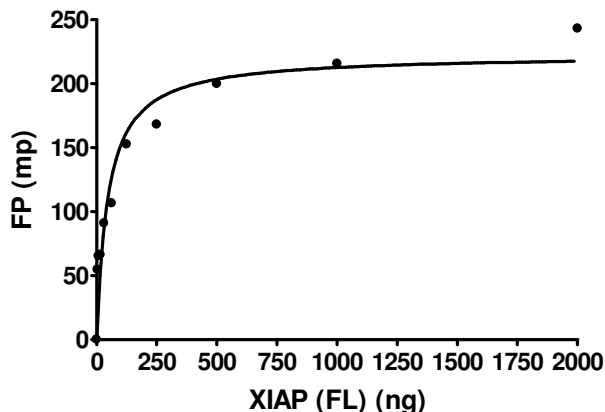
### Ligase Activity



Ligase Assay Conditions: 50  $\mu$ l of reaction mix (4 mM ATP, 5 mM MgCl<sub>2</sub>, 1 mM DTT, E1 (0.5  $\mu$ g), E2 (2.8  $\mu$ g), Biotin-Ubiquitin (0.5  $\mu$ g) and XIAP (0-1.25  $\mu$ g) in 50 mM Tris pH 7.4) is incubated for 30 min at 37°C. Transfer the reaction mixture to a streptavidin-coated plate and incubate for 30 min at 37°C. Add antibody against XIAP, incubate 1 hr. Then, add secondary HRP-labeled antibody and incubate 30 min. Finally, add HRP chemiluminescent substrates and read luminescence.

### Bir Domain Binding Assay

#### XIAP (FL) Binding



Bir Domain Assay Conditions: 50 mM Tris-HCl, pH 7.4, 25 mM NaCl, 0.05% Tween-20, 0.01% BSA, 0.5 nM FAM-SMAC peptide. Incubate 30 minutes at room temperature. Fluorescence polarization is measured at 475nm/528nm of exc/em wavelength.

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