



# SZABO SCANDIC

Part of Europa Biosite

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### CA9, His-Tag

Human, Recombinant, C-terminal His-tag

Catalog #: 71101

Lot#: 130528-2      Conc.: 0.21 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 266 mM imidazole and 20% glycerol

**Stability:** At least 6 months at  $-70^{\circ}\text{C}$ . Avoid freeze/thaw cycles.

#### References:

1. Hilvo, M., *et al.*, *J Biol Chem*. 2008 Oct 10;**283(41)**:27799-809.
2. Chadwick, A.L., *et al.*, *Cell Cycle*. 2013 Jul 30;**12(16)**. [Epub ahead of print]

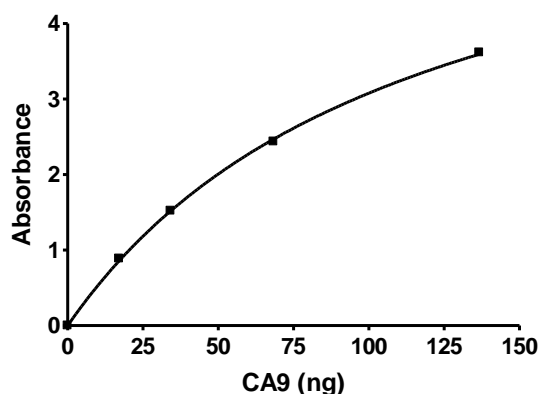
**Description:** Human carbonic anhydrase IX (CA IX), also known as CA9, (GenBank Accession No. NM\_001216), a.a. 59-414 with C-terminal His-tag, MW = 40 kDa, expressed in a baculovirus infected Sf9 cell expression system.

**Specific Activity:** 1,400 pmol/min/ $\mu\text{g}$   
Assay conditions: 15 mM Tris-HCl, pH 7.4, 100mM NaCl, and 3mM p-Nitrophenyl acetate (PNPA). Incubate for 30 minutes at room temperature. Absorbance is measured at 405nm.

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

## Quality Assurance

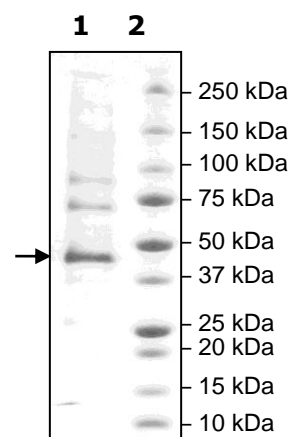
### Specific Activity



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

**Lane 1:**  
3.8  $\mu\text{g}$  CA9  
**Lane 2:**  
Protein Marker

**Purity:**  $\geq 65\%$   
**MW:** 40 kDa



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**Sequence:**

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