



# SZABO SCANDIC

Part of Europa Biosite

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### COX1 (PTGS1), FLAG-His-Tag

Human, recombinant, C-terminal FLAG-His-tag

**Catalog #:** 71110

**Lot #:** 170227

**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, 100 µg/mL Flag peptide, 300 µM diethyldithiocarbamate, 0.1% Triton X-100 and 20% Glycerol.

**Stability:** At least 6 months at -80°C. Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

**References:**

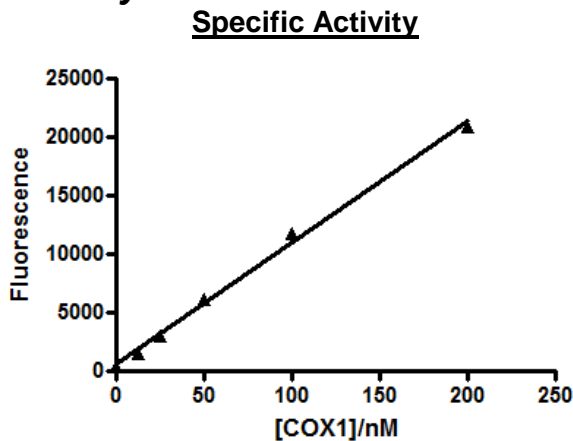
1. Scott, B.T., *et al.*, *Blood Coagul Fibrinolysis*. 2002 Sep;**13(6)**:519-31.
2. Funk, C.D., *et al.*, *FASEB J*. 1991 Jun;**5(9)**:2304-12.

**Description:** Human COX1, GenBank Accession No. NM\_000962, a.a. 1-599 (end), with C-terminal FLAG-His-tag, MW=71 kDa, expressed in a baculovirus infected Sf9 cell expression system.

**Assay Conditions:** Mixed various concentrations (0-200 nM) of enzyme in Assay buffer (100 mM Tris-HCl pH 8, 3 µM EDTA) with 5 µM Hematin for 5 min then added 100 µM Ampliflu Red and 50 µM arachidonic acid (Cayman Chemical # 90010.1 peroxide free) and measured fluorescence (ex 535 em 590) after 5 min. Reaction volume was 100 µl.

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

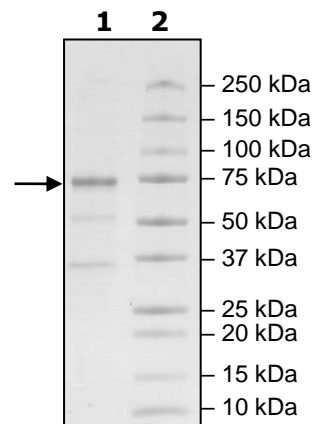
### Quality Assurance



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

**Lane 1:**  
2 µg COX1  
**Lane 2:**  
Protein Marker

**MW:** 71 kDa  
**Purity:** ≥76%



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