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- Mindermengenzuschlag
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Data Sheet

COX1 (PTGS1), FLAG-His-Tag

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

Catalog #: 71110-2

Lot #: 170406 **Conc.:** 0.56mg/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:

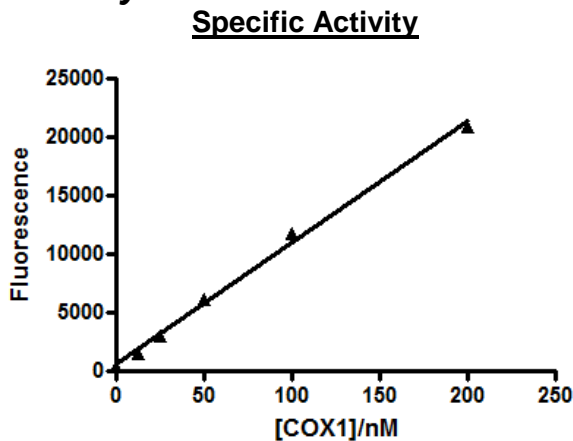
1. Scott, B.T., *et al.*, *Blood Coagul Fibrinolysis*. 2002 Sep;**13(6)**:519-31.
2. Funk, C.D., *et al.*, *FASEB J*. 1991 Jun;**5(9)**:2304-12.

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.

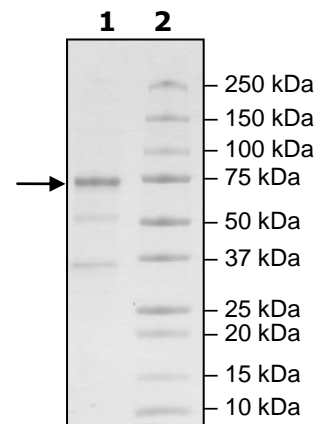
Quality Assurance



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

Lane 1:
2 µg COX1
Lane 2:
Protein Marker

MW: 71 kDa
Purity: ≥82%



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