## bsm-60712R

## [ Primary Antibody ]

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# COX4I1 Recombinant Rabbit mAb

DATASHEET

Host: Rabbit Isotype: IgG Clonality: Recombinant CloneNo.: R8F6 **GenelD:** 1327 **SWISS:** P13073

Target: COX4I1

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclearencoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit IV isoform 1 of the human mitochondrial respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it. [provided by RefSeq, Jul 2008]

Applications: WB (1:500-2000)

**IHC-P** (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Human, Mouse

(predicted: Rat)

**Predicted** 17 kDa MW.:

Subcellular Cytoplasm Location:

### - SELECTED CITATIONS -

- [IF=3.7] GuangDuo Zhu. et al. PLAGL2 induces nucleus pulposus cell apoptosis via regulating RASSF5 expression and thus accelerates intervertebral disc degeneration. EXP CELL RES. 2023 Sep;430:113699 WB; Mouse. 37364764
- [IF=3] Yujin Gao. et al. Melatonin Alleviates Lipopolysaccharide-Induced Endometritis by Inhibiting the Activation of NLRP3 Inflammasome through Autophagy. ANIMALS. 2023 Jan;13(15):2449 WB; Bovine. 37570258