RPA699Hu03 10μg

Recombinant Cyclooxygenase-2 (COX 2)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Asn19~Asp589

Tags: N-terminal His Tag

Subcellular Location: Membrane, Nucleus, Endoplasmic reticulum lumen

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .

Original Concentration: 200μg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 7.4

Predicted Molecular Mass: 69.1kDa

Accurate Molecular Mass: 67kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

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                    NP CCSHPCQNRG VCMSVGFDQY KCDCTRTGFY
GENCSTPEFL TRIKLFLKPT PNTVHYILTH FKGFWNVVNN IPFLRNAIMS
YVLTSRSHLI DSPPTYNADY GYKSWEAFSN LSYYTRALPP VPDDCPTPLG
VKGKKQLPDS NEIVEKLLLR RKFIPDPQGS NMMFAFFAQH FTHQFFKTDH
KRGPAFTNGL GHGVDLNHIY GETLARQRKL RLFKDGKMKY QIIDGEMYPP
TVKDTQAEMI YPPQVPEHLR FAVGQEVFGL VPGLMMYATI WLREHNRVCD
VLKQEHPEWG DEQLFQTSRL ILIGETIKIV IEDYVQHLSG YHFKLKFDPE
LLFNKQFQYQ NRIAAEFNTL YHWHPLLPDT FQIHDQKYNY QQFIYNNSIL
LEHGITQFVE SFTRQIAGRV AGGRNVPPAV QKVSQASIDQ SRQMKYQSFN
EYRKRFMLKP YESFEELTGE KEMSAELEAL YGDIDAVELY PALLVEKPRP
DAIFGETMVE VGAPFSLKGL MGNVICSPAY WKPSTFGGEV GFQIINTASI
QSLICNNVKG CPFTSFSVPD PELIKTVTIN ASSSRSGLD
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[IDENTIFICATION]

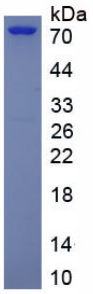

Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.