

RPB355Hu02 100µg

Recombinant 5-Lipoxygenase (5-LO)

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: Met1~Ile674

Tags: N-terminal His Tag

**Subcellular Location:** Membrane, Nucleus, Cytoplasm

**Purity:** > 90%

Traits: Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

Original Concentration: 80µg/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:** 5.5

Predicted Molecular Mass: 81.7kDa

Accurate Molecular Mass: 82kDa as determined by SDS-PAGE reducing conditions.

#### [USAGE]

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

#### [STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C 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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MPSYTVTVAT GSQWFAGTDD YIYLSLVGSA GCSEKHLLDK PFYNDFERGA VDSYDVTVDE ELGEIQLVRI EKRKYWLNDD WYLKYITLKT PHGDYIEFPC YRWITGDVEV VLRDGRAKLA RDDQIHILKQ HRRKELETRQ KQYRWMEWNP GFPLSIDAKC HKDLPRDIQF DSEKGVDFVL NYSKAMENLF INRFMHMFQS SWNDFADFEK IFVKISNTIS ERVMNHWQED LMFGYQFLNG CNPVLIRRCT ELPEKLPVTT EMVECSLERQ LSLEQEVQQG NIFIVDFELL DGIDANKTDP CTLQFLAAPI CLLYKNLANK IVPIAIQLNQ IPGDENPIFL PSDAKYDWLL AKIWVRSSDF HVHQTITHLL RTHLVSEVFG IAMYRQLPAV HPIFKLLVAH VRFTIAINTK AREQLICECG LFDKANATGG GGHVQMVQRA MKDLTYASLC FPEAIKARGM ESKEDIPYYF YRDDGLLVWE AIRTFTAEVV DIYYEGDQVV EEDPELQDFV NDVYVYGMRG RKSSGFPKSV KSREQLSEYL TVVIFTASAQ HAAVNFGQYD WCSWIPNAPP TMRAPPPTAK GVVTIEQIVD TLPDRGRSCW HLGAVWALSQ FQENELFLGM YPEEHFIEKP VKEAMARFRK NLEAIVSVIA ERNKKKOLPY YYLSPDRIPN SVAI
```

## [ IDENTIFICATION ]

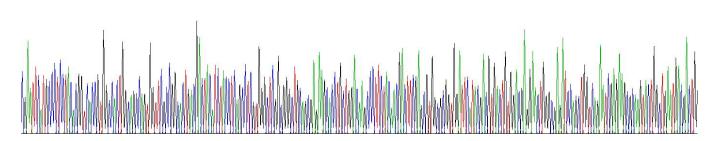


Figure . Gene Sequencing (extract)

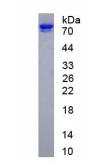


Figure. SDS-PAGE

## [ 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.