

Recombinant Human ALOX15 293 Cell Lysate

Cat. No. ALOX15-8897HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for arachidonate 15-lipoxygenase (ALOX15) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

[ALOX15 arachidonate 15-lipoxygenase \[Homo sapiens \]](#)

Official Symbol

ALOX15

Synonyms

ALOX15; arachidonate 15-lipoxygenase; 15 LOX 1; 15-LOX; 15-lipooxygenase-1; arachidonate omega-6 lipoxygenase; 15LOX-1; 15-LOX-1;

Gene ID

[246](#)

mRNA Refseq

[NM_001140](#)

Protein Refseq

[NP_001131](#)

MIM

[152392](#)

UniProt ID

[P16050](#)

**Chromosome
Location**

17p13.3

Pathway

Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Eicosanoid Synthesis, organism-specific biosystem; IL4-mediated signaling events, organism-specific biosystem; Linoleic acid metabolism, organism-specific biosystem; Linoleic acid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;

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Function

arachidonate 12-lipoxygenase activity; arachidonate 15-lipoxygenase activity; hepxilin-epoxide hydrolase activity; iron ion binding; lipoxygenase activity; metal ion binding; oxidoreductase activity;

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