

Recombinant Human ALOX12B 293 Cell Lysate

Cat. No. ALOX12B-8898HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for arachidonate 12-lipoxygenase, 12R type (ALOX12B) 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	ALOX12B arachidonate 12-lipoxygenase, 12R type [Homo sapiens]
Official Symbol	ALOX12B
Synonyms	ALOX12B; arachidonate 12-lipoxygenase, 12R type; arachidonate 12-lipoxygenase, 12R-type; 12R LOX; 12R-lipoxygenase; epidermis-type lipoxygenase 12; 12R-LOX;
Gene ID	242
mRNA Refseq	NM_001139
Protein Refseq	NP_001130
MIM	603741
UniProt ID	O75342
Chromosome Location	17p13.1
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; IL23-mediated signaling events, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Serotonergic synapse, organism-specific biosystem;

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Function

arachidonate 12-lipoxygenase activity; iron ion binding; lipoxygenase activity; metal ion binding; oxidoreductase activity;

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