

Recombinant Human GATA2 293 Cell Lysate

Cat. No. GATA2-6013HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for GATA binding protein 2 (GATA2), transcript variant 2 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 [GATA2 GATA binding protein 2 \[Homo sapiens \]](#)

Official Symbol GATA2

Synonyms GATA2; GATA binding protein 2; endothelial transcription factor GATA-2; NFE1B; DCML; MONOMAC; MGC2306; FLJ45948;

Gene ID [2624](#)

mRNA Refseq [NM_001145661](#)

Protein Refseq [NP_001139133](#)

MIM [137295](#)

UniProt ID [P23769](#)

Chromosome Location 3q21

Pathway Adipogenesis, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; Hemostasis, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; Regulation of Androgen receptor activity, organism-specific biosystem; SIDS Susceptibility

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Pathways, organism-specific biosystem;

Function

C2H2 zinc finger domain binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II distal enhancer sequence-specific DNA binding; chromatin binding; enhancer sequence-specific DNA binding; metal ion binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding; zinc ion binding;

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