

Recombinant Human GATA3 293 Cell Lysate

Cat. No. GATA3-6011HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for GATA binding protein 3 (GATA3), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC201618, OriGene Technologies, Inc.) 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.
Applications	E, IP, WB. 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

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at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [GATA3 GATA binding protein 3 \[Homo sapiens \]](#)

Official Symbol [GATA3](#)

Synonyms [GATA3](#); [GATA binding protein 3](#); [trans-acting T-cell-specific transcription factor](#)
[GATA-3](#); [HDR](#); [GATA-binding factor 3](#); [HDRS](#); [MGC2346](#); [MGC5199](#); [MGC5445](#);

Gene ID [2625](#)

mRNA Refseq [NM_002051](#)

Protein Refseq [NP_002042](#)

MIM [131320](#)

UniProt ID [P23771](#)

Chromosome Location [10p15](#)

Pathway [Adipogenesis, organism-specific biosystem](#); [C-MYB transcription factor network, organism-specific biosystem](#); [Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem](#); [Factors involved in megakaryocyte development and platelet production, organism-specific biosystem](#); [Glucocorticoid receptor regulatory network, organism-specific biosystem](#); [Hemostasis, organism-specific biosystem](#); [IL27-mediated signaling events, organism-specific biosystem](#);

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Function

DNA binding; E-box binding; HMG box domain binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; core promoter proximal region sequence-specific DNA binding; core promoter sequence-specific DNA binding; metal ion binding; nucleic acid binding transcription factor activity; nucleic acid binding transcription factor activity; protein binding; sequence-specific DNA binding transcription factor activity; transcription coactivator activity; transcription factor binding; transcription regulatory region DNA binding; transcription regulatory region sequence-specific DNA binding; zinc ion binding;

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