

## Recombinant Human GATA1 cell lysate

Cat. No. GATA1-689HCL Lot. No. (See product label)

### SPECIFICATION

**Species**

Human

**Description**

This gene encodes a protein which belongs to the GATA family of transcription factors. The protein plays an important role in erythroid development by regulating the switch of fetal hemoglobin to adult hemoglobin. Mutations in this gene have been associated with X-linked dyserythropoietic anemia and thrombocytopenia.

**Size**

100 ul

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Applications**

Western Blot;

### GENE INFORMATION

**Gene Name**

GATA1 GATA binding protein 1 (globin transcription factor 1) [ Homo sapiens ]

**Official Symbol**

GATA1

**Synonyms**

GATA1; GATA binding protein 1 (globin transcription factor 1); GATA binding protein 1 (globin transcription factor 1) , GF1; erythroid transcription factor; ERYF1; GATA 1; NFE1; GATA-binding factor 1; NF-E1 DNA-binding protein; transcription factor GATA1; globin transcription factor 1; erythroid transcription factor 1; GF1; GF-1; XLTT; GATA-1;

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<b>Gene ID</b>	2623
<b>mRNA Refseq</b>	NM_002049
<b>Protein Refseq</b>	NP_002040
<b>MIM</b>	305371
<b>UniProt ID</b>	P15976
<b>Chromosome Location</b>	Xp11.23
<b>Pathway</b>	C-MYB transcription factor network, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem; Signaling events mediated by HDAC Class I, organism-specific biosystem; Signaling events mediated by HDAC Class II, organism-specific biosystem;
<b>Function</b>	C2H2 zinc finger domain binding; DNA binding; DNA binding, bending; RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II regulatory region sequence-specific DNA binding; RNA polymerase II transcription factor binding; chromatin binding; enhancer sequence-specific DNA binding; metal ion binding; p53 binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region sequence-specific DNA binding; zinc ion binding;

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