Recombinant Human GATA1 cell lysate

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

SPECIFICATION

Product Overview	
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;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	XLTT; GATA-1;
Gene ID	2623
mRNA Refseq	NM_002049
Protein Refseq	NP_002040
MIM	305371
UniProt ID	P15976
Chromosome Location	Xp11.23
Pathway	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;
Function	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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region sequence-specific DNA binding; zinc ion binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA