

Recombinant Human GATA1, His-tagged

Cat. No. GATA1-28476TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 70-413 of Human GATA1 with N terminal His tag; 344 amino acids, 52kDa.
Species	Human
Source	E.coli
ProteinLength	70-413 a.a.
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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 102 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	RHSPVFQVYPLLNCMEGIPGGSPYAGWAYGKTGLYPASTV CPTREDSPPQAVEDL DGKGSTSFLETLKTERLSPDLLT LGPALPSSLPVPNSAYGGPDFSSTFFSPTGSPLN

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SAAY SSPKLRGTLPLPPCEARECVNCGATATPLWRRDRTGHYLC NACGLYHKMN
 GQNRPLIRPKKRLIVSKRAGTQCTNCQT TTTTLWRRNASGDPVCNACGLYYKLHQV
 NRPLTMRKDG IQTRNRKASGKGKKKRGSSLGGTGAAEGPAGGFMMVAGGSGSGN
 CGEVASGLTLGPPGTAHLYQGLGPVVLSPVSHL MPFPGPLLGSPTGSFPTGPMP
 PTTSTTVAPLSS

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;
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;

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	Hemostasis, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem;
Function	C2H2 zinc finger domain binding; DNA bending activity; DNA binding; 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;