

Recombinant Human GATA2

Cat. No. GATA2-28285TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GATA2 with N terminal proprietary tag, 78.87kDa.
Species	Human
Source	Wheat Germ
ProteinLength	480 amino acids
Description	This gene encodes a member of the GATA family of zinc-finger transcription factors that are named for the consensus nucleotide sequence they bind in the promoter regions of target genes. The encoded protein plays an essential role in regulating transcription of genes involved in the development and proliferation of hematopoietic and endocrine cell lineages. Alternative splicing results in multiple transcript variants.
Molecular Weight	78.870kDa inclusive of tags
Tissue specificity	Endothelial cells.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

MEVAPEQPRWMAHPAVLNAQHPDSHHPGLAHNYMEPAQLL PPDEV DVFFNHLDS
 QGNPYYPANPAHARARVSYPAHARLT GGQMCRPHLLHSPGLPWLDGGKAALSAA
 AAHHHNPWTVSP FSKTPLHPSAAGGPGGPLSVYPGAGGGSGGGSGSSVASLT PT
 AAHSGSHLFGFPPTPPKEVSPDPSTTGAASPASSSAGG SAARGEDKDGVKYQVSL
 TESMKMESGSPLRPGLATMGTQP ATHHPIPTYPSYVPAAAHDYSSGLFHPGGFLG
 GPASSFTP KQRSKARSCSEGRECVNCGATATPLWRRDGTGHYLCNACG LYHKM
 NGQNRPLIKPKRRLSAARRAGTCCANCQTTTTTLW RRNANGDPVCNACGLYYKLH
 NVNRPLTMKKEGIQTRNRKM SNKSKKSKKGAECFEELSKCMQEKSPPFSAALAG
 HMAPV GHLPPFSHSGHILPTPTPIHPSSSLSGHPPHSSMVTAMG

Sequence Similarities

Contains 2 GATA-type zinc fingers.

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;

Gene ID [2624](#)

mRNA Refseq [NM_001145661](#)

Protein Refseq [NP_001139133](#)

MIM [137295](#)

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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;
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;

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