

Recombinant Human GATA2 protein, Arginine-tagged

Cat. No. GATA2-136H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GATA2 protein fused with 11 arginine domain at C-terminal, which will efficiently deliver protein intracellularly, was expressed in E. coli.
Species	Human
Source	E.coli
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	EVAPEQPRWMAHPAVLNAQHPDSSHHPGLAHNYMEPAQLLPDEVDVFFNHLDSQ GNPYYANPAHARARVSYSPAH ARLTGGQMCRPHLLHSPGLPWLDGGKAALSAAA AHHHNPWTVPFSKTPLHPSAAGGPGGGLSVYPGAGGGSGGG SGSSVASLTPTA AHSGSHLFGFPPTPPKEVSPDPSTTGAASPASSSAGGSAARGEDKDGVKYQVSLTE SMKMESG SPLRPGLATMGTPATHHPIPTYPSYVPAAAHDYSSGLFHPGGFLGGP ASSFTPQQRSKARSCSEGRECVNCGAT ATPLWRRDGTGHYLCNACGLYHKMNGQ NRPLIKPKRRLSAARRAGTCCANCQTTTTTLWRRNANGDPVCNACGLY YKLHNVN RPLTMKKEGIQTRNRKMSNKS KSKGAECFEELSKCMQEKS SPFSAAALAGHMA PVGHLPPFSGH ILPTPTPIHPSSSLSGHPPSSMVTAMGLEESGGGGSPGRRR RRRRRRRR
Purity	>90% by SDS-PAGE
Applications	1. Protein transduction for cell differentiation.2. Active recombinant protein, may be used for ELISA based DNA/Protein binding assay.3. As specific protein substrate for

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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kinase assay.4. Immunogen for specific antibody production.

Storage Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days.

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; DCML; MONOMAC; MGC2306; FLJ45948;

Gene ID 2624

mRNA Refseq NM_001145661

Protein Refseq NP_001139133

MIM 137295

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; Regulation of Androgen receptor activity, organism-specific biosystem; SIDS Susceptibility

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Pathways, 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; chromatin binding; enhancer sequence-specific DNA binding; metal ion binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding; zinc ion binding;

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