

# Active Recombinant Full Length Human GATA3 Protein, Flag tagged

Cat. No. GATA3-2941H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length protein of human GATA binding protein 3 (GATA3), transcript variant 2 with Flag tag was expressed in HEK293T.
<b>Species</b>	Human
<b>Source</b>	HEK293T
<b>ProteinLength</b>	1-443 aa
<b>Description</b>	This gene encodes a protein which belongs to the GATA family of transcription factors. The protein contains two GATA-type zinc fingers and is an important regulator of T-cell development and plays an important role in endothelial cell biology. Defects in this gene are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia.
<b>Form</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Bio-activity</b>	GATA3 Activity Verified in a DNA-binding Assay: DNA binding activity of GATA3 as a function of protein concentration. Sensitivity to competitor oligonucleotide demonstrates specificity of protein-DNA binding. EMSA assay
<b>Molecular Mass</b>	47.7 kDa
<b>AASequence</b>	MEVTADQPRWVSHHHPAVLNGQHPDTHHPGLSHSYMDAAQYPLPEEVDVLFNIDG

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QGNHVPPYYGNSVRATVQRYPPTHHGSQVCRPPLLHGSLPWLDGGKALGSHHTA  
 SPWNLSPFSKTSIIHHGSPGPLSVYPPASSSSLSGGHASPFLFTFPPTPPKDVSPDPS  
 LSTPGSAGSARQDEKECLKYQVPLPDSMKLESSHSRGSMTALGGASSSTHHPITTY  
 PPYVPEYSSGLFPPSSLLGGSPGFGCKSRPKARSSTEGRECVNCGATSTPLWRR  
 DGTGHYLCNACGLYHKMNGQNRPLIKPKRRLSAARRAGTSCANCQTTTTTLWRRN  
 ANGDVPCNACGLYYKLNINRPLTMKKEGIQTRNRKMSKSKKCKKVHDSLEDFPK  
 NSSFNPAALSRHMSSLSHISPFSSHMLTTPMHPSSLSFGPHHPSSMVTAMG  
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Notes** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage** Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Concentration** > 0.05 µg/µL as determined by microplate BCA method

**Shipping** Dry Ice

## GENE INFORMATION

**Gene Name** GATA3 GATA binding protein 3 [ Homo sapiens (human) ]

**Official Symbol** GATA3

**Synonyms** GATA3; GATA binding protein 3; HDR; HDRS; trans-acting T-cell-specific transcription factor GATA-3; GATA-binding factor 3

**Gene ID** 2625

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<b>mRNA Refseq</b>	NM_002051
<b>Protein Refseq</b>	NP_002042
<b>MIM</b>	131320
<b>UniProt ID</b>	P23771

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