Active Recombinant Full Length Human GATA3 Protein, Flag tagged

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

SPECIFICATION

Product Overview	Recombinant full length protein of human GATA binding protein 3 (GATA3), transcript variant 2 with Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-443 aa
Description	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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bio-activity	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
Molecular Mass	47.7 kDa
AASequence	MEVTADQPRWVSHHHPAVLNGQHPDTHHPGLSHSYMDAAQYPLPEEVDVLFNIDG

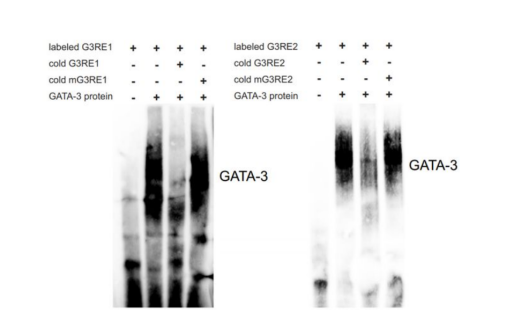
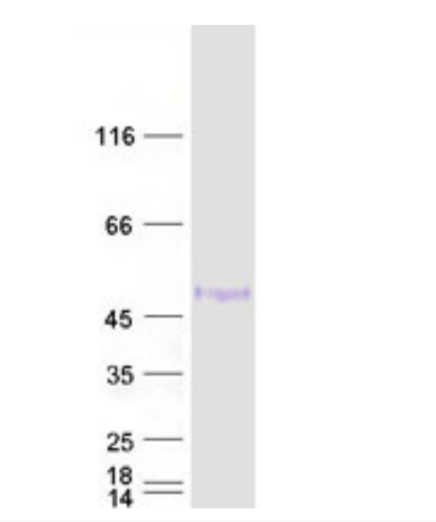
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	QGNHVPPYYGNSVRATVQRYPPTHHGSQVCRPPLLHGSLPWLDGGKALGSHHTA SPWNLSPFSKTSIHHGSPGPLSVYPPASSSSLSGGHASPHLFTFPPTPPKDVSPDPS LSTPGSAGSARQDEKECLKYQVPLPDSMKLESSHSRGSMTALGGASSSTHHPITTY PPYVPEYSSGLFPPSSLLGGSPTGFGCKSRPKARSSTEGRECVNCGATSTPLWRR DGTGHYLCNACGLYHKMNGQNRPLIKPKRRLSAARRAGTSCANCQTTTTTLWRRN ANGDPVCNACGLYYKLHNINRPLTMKKEGIQTRNRKMSSKSKKCKKVHDSLEDFPK NSSFNPAALSRHMSSLSHISPFSHSSHMLTTPTPMHPPSSLSFGPHHPSSMVTAMG 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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mRNA Refseq	NM_002051
Protein Refseq	NP_002042
MIM	131320
UniProt ID	P23771
Gel shift assays	
SDS-PAGE	

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