Recombinant Human GATA6 Protein, His-tagged

Cat. No. GATA6-046H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GATA6 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	GATA proteins comprise a group of transcription factors that are related by the presence of conserved zinc finger DNA-binding domains, which bind directly to the nucleotide sequence core element GATA. There are six vertebrate GATA proteins, designated GATA-1 to GATA-6. GATA-6 plays a critical role in endoderm development. It is essential for development of the heart, gut, and other organs. Knock out of GATA-6 is embryonic lethal due to defects in formation of the heart tube and a failure to develop extraembryonic endoderm. Loss of expression, or loss of nuclear localization of GATA-6 is apparent in a large number of ovarian tumors.
Molecular Mass	~66 kDa
AA Sequence	HMALTDGGWCLPKRFGAAGADASDSRAFPAREPSTPPSPISSSSSSCSRGGERGP GGASNCGTPQLDTEAAAGPPARSLLLSSYASHPFGAPHGPSAPGVAGPGGNLSSW EDLLLFTDLDQAATASKLLWSSRGAKLSPFAPEQPEEMYQTLAALSSQGPAAYDGA PGGFVHSAAAAAAAAAAASSPVYVPTTRVGSMLPGLPYHLQGSGSGPANHAGGAG AHPGWPQASADSPPYGSGGGAAGGGAAGPGGAGSAAAHVSARFPYSPSPPMAN GAAREPGGYAAAGSGGAGGVSGGGSSLAAMGGREPQYSSLSAARPLNGTYHHHH HHHHHHPSPYSPYVGAPLTPAWPAGPFETPVLHSLQSRAGAPLPVPRGPSADLLED

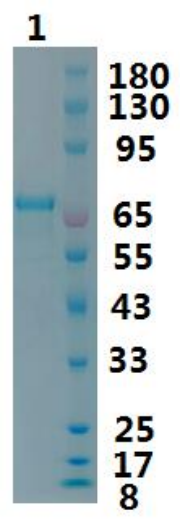
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	LSESRECVNCGSIQTPLWRRDGTGHYLCNACGLYSKMNGLSRPLIKPQKRVPSSRR LGLSCANCHTTTTTLWRRNAEGEPVCNACGLYMKLHGVPRPLAMKKEGIQTRKRKP KNINKSKTCSGNSNNSIPMTPTSTSSNSDDCSKNTSPTTQPTASGAGAPVMTGAGE STNPENSELKYSGQDGLYIGVSLASPAEVTSSVRPDSWCALALALE
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Storage Buffer	0.5M Urea, pH7.4

GENE INFORMATION

Gene Name	GATA6 GATA binding protein 6 [Homo sapiens (human)]
Official Symbol	GATA6
Synonyms	GATA6; GATA binding protein 6; transcription factor GATA-6; GATA-binding factor 6; GATA-binding protein 6;
Gene ID	2627
mRNA Refseq	NM_005257
Protein Refseq	NP_005248
MIM	601656

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UniProt ID	Q92908
SDS-PAGE	

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