

Recombinant Human GATA4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GATA4-3194H Lot. No. (See product label)

SPECIFICATION

Product Overview

GATA4 MS Standard C13 and N15-labeled recombinant protein (NP_002043) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a member of the GATA family of zinc-finger transcription factors. Members of this family recognize the GATA motif which is present in the promoters of many genes. This protein is thought to regulate genes involved in embryogenesis and in myocardial differentiation and function, and is necessary for normal testicular development. Mutations in this gene have been associated with cardiac septal defects. Additionally, alterations in gene expression have been associated with several cancer types. Alternative splicing results in multiple transcript variants.

Molecular Mass

44.6 kDa

AA Sequence

MYQSLAMAANHGPPPGAYEAGGPGAFMHGAGAASSPVYVPTPRVPSSVLGLSYLQ
GGGAGSASGGASGGSSGGAASGAGPGTQQGSPGWSQAGADGAAAYTPPVSPRF
SFPGTTGSLAAAAAAAAAREAAAYSSGGGAAGAGLAGREQYGRAGFAGSYSSPYP
AYMADVGASWAAAAAASAGPFDSPVLHSLPGRANPAARHPNLDMFDDFSEGRECV
NCGAMSTPLWRRDGTGHYLCNACGLYHKMNGINRPLIKPQRRLSASRRVGLSCAN
CQTTTTTLWRRNAEGEPVCNACGLYMKLHGVPRLAMRKEGIQTRKRKPKNLNKS

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KTPAAPSGSESLPPASGASSNSSNATTSSEEMRPIKTEPGLSSHYGHSSSVSQTF
SVSAMSGHGPSIHPVLSALKLSPQGYASPVSQSPQTSSKQDSWNSLVLADSHGDIIT
ATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GATA4 GATA binding protein 4 [Homo sapiens (human)]

Official Symbol GATA4

Synonyms GATA4; GATA binding protein 4; transcription factor GATA-4; GATA-binding factor 4; ASD2; VSD1; MGC126629;

Gene ID 2626

mRNA Refseq NM_002052

Protein Refseq NP_002043

MIM 600576

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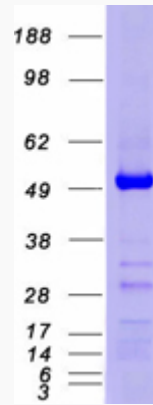
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UniProt ID

P43694

SDS-PAGE



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