

Product datasheet for TP310945

GATA4 (NM_002052) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human GATA binding protein 4 (GATA4), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC210945 protein sequence
Red=Cloning site Green=Tags(s)

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MYQSLAMAANHGPPPGAYEAGGPGAFMHGAGAASSPVYVPTPRVPSSVLGLSYLQGGGAGSASGGASG
GS
SGGAASGAGPGTQQGSPGWSQAGADGAAYTPPVSPRFSFPGTTGSLAAAAAAAAAREAAAYSSGGGAA
G
AGLAGREYGRAGFAGSYSSPYPAYMADV GASWAAAAAASAGPFDSPVLHSLPGRANPAARHPNLDMF
DD
FSEGRECVNCGAMSTPLWRRDGTGHYLCNACGLYHKMNGINRPLIKPQRRLSASRRVGLSCANCQTTTT
T
LWRRNAEGEPVCNACGLYMKLHGVP RPLAMRKEGIQTRKRKPKNLNKS KTPAAPSGSES LPPASGASSN
S
SNATTSSEEMRPIKTEPGLSSHYGHSSSVSQTFSVSAMSGHGPSIHPVLSALKLSPQGYASPVSQSPQT
SSKQDSWNSLVLADSHGDIITA

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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

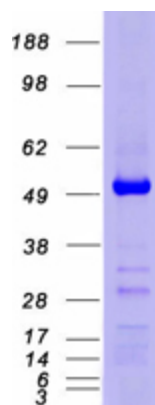
Tag: C-Myc/DDK
Predicted MW: 44.4 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity: GATA4 Activity Verified in a DNA-binding Assay: Comparison of GATA4 binding to consensus and mutant oligos shows sensitivity of protein binding to the DNA sequence used.
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	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°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002043
Locus ID:	2626
UniProt ID:	P43694
RefSeq Size:	3419
Cytogenetics:	8p23.1
RefSeq ORF:	1326
Synonyms:	ASD2; TACHD; TOF; VSD1
Summary:	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. [provided by RefSeq, Apr 2015]
Protein Families:	Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

Product images:



Coomassie blue staining of purified GATA4 protein (Cat# TP310945). The protein was produced from HEK293T cells transfected with GATA4 cDNA clone (Cat# [RC210945]) using MegaTran 2.0 (Cat# [TT210002]).