

Product datasheet for PH310945

GATA4 (NM_002052) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GATA4 MS Standard C13 and N15-labeled recombinant protein (NP_002043)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210945
Predicted MW:	44.6 kDa
Protein Sequence:	>RC210945 protein sequence Red=Cloning site Green=Tags(s)

MYQSLAMAANHGPPPGAYEAGGPGAFMHGAGAASSPVYVPTPRVPSSVLGLSYLQGGGAGSASGGASGGS
SGGAASGAGPGTQQGSPGWSQAGADGAAYTPPVSPRFSFPGTTGSLAAAAAAAAAREAAAYSSGGGAAG
AGLAGREQYGRAGFAGSYSSPYPAYMADV GASWAAAAASAGPFDSPVLHSLPGRANPAARHPNLDMFDD
FSEGRECVNCGAMSTPLWRRDGTGHYLCNACGLYHKMNGINRPLIKPQRRLSASRRVGLSCANCQTTTTT
LWRRNAEGEPCVACGLYMKLHGVRPLAMRKEGIQTRKRKPKNLNKSPTAAPSSESLPPASGASSNS
SNATSSSEMRPIKTEPGLSSHGHSSVSQTFSVSMSGHGPSIHPVLSALKLSPQGYASPVSPQSPQT
SSKQDSWNSLVLADSHGDIITA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002043</u>
RefSeq Size:	3419
RefSeq ORF:	1326
Synonyms:	ASD2; TACHD; TOF; VSD1



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Locus ID: 2626

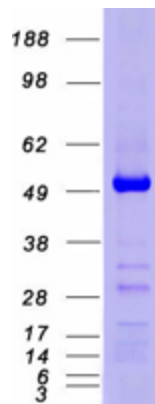
UniProt ID: [P43694](#), [B3KUF4](#)

Cytogenetics: 8p23.1

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]).