

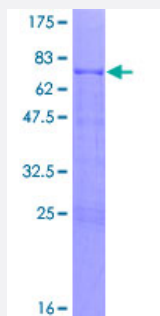
Full-Length

GATA1 (Human) Recombinant Protein (P02)

Catalog # H00002623-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GATA1 full-length ORF (ENSP00000365858, 1 a.a. - 413 a.a.) recombinant protein with GS T-tag at N-terminal.

Sequence

MEFPGLGSLGTSEPLPQFVDPALVSSTPESGVFFPSGPEGLDAAASSTAPSTATAAAAAALAYR
DAEAYRHSPVFQVYPLLNCMEGIPGGSPYAGWAYGKTGLYPASTVCPTRDSSPPQAVEDLDGK
GSTSFLETLKTERLSPDLLTLGPALPSSLVPVNSAYGGPDFSSTFFSPTGSPLNSAAYSSPKLRGT
LPLPPCEARECVNCGATATPLWRRDRTGHYLCNACGLYHKMNGQNRPLIRPKKRLVSKRAGTQ
CTNCQTTTTTLWRRNASGDPVCNACGLYYKLHQVNRPLTMRKDGQTRNRKASGKGKKKRGSSL
GGTGAAEGPAGGFVVAGGSGSGNCGEVASGLTLGPPGTAHLYQGLGPVVLSPGVSHLMPFP
GPLLGSPGTFPTGMPPTTSTTVVAPLSS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.2

Interspecies Antigen Sequence

Mouse (86); Rat (86)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GATA1

Entrez GeneID	2623
GeneBank Accession#	ENST00000376670
Protein Accession#	ENSP00000365858
Gene Name	GATA1
Gene Alias	ERYF1, GF-1, GF1, NFE1
Gene Description	GATA binding protein 1 (globin transcription factor 1)
Omim ID	190685 300367 305371
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein which belongs to the GATA family of transcription factors. The protein plays an important role in erythroid development by regulating the switch of fetal hemoglobin to a adult hemoglobin. Mutations in this gene have been associated with X-linked dyserythropoietic anemia and thrombocytopenia. [provided by RefSeq]
Other Designations	GATA binding protein 1 NF-E1 DNA-binding protein OTTHUMP00000023259 erythroid transcription factor 1 globin transcription factor 1 transcription factor GATA1

Publication Reference

- [Inactivation of the tight junction gene CLDN11 by aberrant hypermethylation modulates tubulins polymerization and promotes cell migration in nasopharyngeal carcinoma.](#)

Li HP, Peng CC, Wu CC, Chen CH, Shih MJ, Huang MY, Lai YR, Chen YL, Chen TW, Tang P, Chang YS, Chang KP, Hsu CL.

Journal of Experimental & Clinical Cancer Research : CR 2018 May; 37(1):102.

Application: EMSA, Human, TW02 cells

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Down Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Myeloproliferative Disorders](#)
- [Neuroblastoma](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Thrombocythemia](#)