

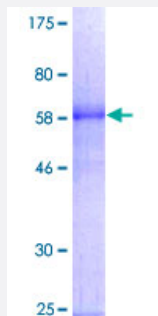
Full-Length

GATA1 (Human) Recombinant Protein (P01)

Catalog # H00002623-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GATA1 full-length ORF (AAH09797, 1 a.a. - 335 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEFPGLGSLGTSEPLPQFVDPALVSSTPESGVFFPSGPEGLDAAASSTAPSTATAAAAAALAYYR
DAEAYRHSPVFQVYPLLNCMEGIPGGSPYAGWAYGKTGLYPASTVCPTREDSPPQAVEDLDGK
GSTSFLETLKTERLSPDLLTLGPALPSSLVPNSAYGGPDFSSTFFSPTGSPLNSAAYSSPKLRGT
LPLPPCEARECVNCGATATPLWRRDRTGHYLCNACGLYHKMNGQNRPLIRPKKRLVSKRAGTQ
CTNCQTTTTTLWRRNASGDPVCNACGLYYKLHHQHYCGGSAQLMRAQSMASRGGVVSFSSCSQ
NSGQPKSLGPRHPLA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.37

Interspecies Antigen Sequence

Mouse (84); Rat (84)

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#**[BC009797](#)**Protein Accession#**[AAH09797](#)**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

Disease

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