

## Product datasheet for **TP760889**

### **GATA1 (NM\_002049) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human GATA binding protein 1 (globin transcription factor 1) (GATA1), full length, with N-terminal HIS tag, expressed in E. coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding human full-length GATA1
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	42.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002040</a>
<b>Locus ID:</b>	2623
<b>UniProt ID:</b>	<a href="#">P15976</a>
<b>RefSeq Size:</b>	1501
<b>Cytogenetics:</b>	Xp11.23
<b>RefSeq ORF:</b>	1239
<b>Synonyms:</b>	ERYF1; GATA-1; GF-1; GF1; NF-E1; NFE1; XLANP; XLTDA; XLTT



[View online »](#)

**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 adult hemoglobin. Mutations in this gene have been associated with X-linked dyserythropoietic anemia and thrombocytopenia. [provided by RefSeq, Jul 2008]

**Protein Families:**

Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

**Product images:**