Recombinant Human GFI1 protein, GST-tagged

Cat. No. GFI1-188H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GFI1(1 a.a. - 91 a.a.)fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-91 a.a.
Description	This gene encodes a nuclear zinc finger protein that functions as a transcriptional repressor. This protein plays a role in diverse developmental contexts, including hematopoiesis and oncogenesis. It functions as part of a complex along with other cofactors to control histone modifications that lead to silencing of the target gene promoters. Mutations in this gene cause autosomal dominant severe congenital neutropenia, and also dominant nonimmune chronic idiopathic neutropenia of adults, which are heterogeneous hematopoietic disorders that cause predispositions to leukemias and infections. Multiple alternatively spliced variants, encoding the same protein, have been identified for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	35.75 kDa
AA Sequence	MPRSFLVKSKKAHSYHQPRSPGPDYSLRLENVPAPSRADSTSNAGGAKAEPRDRL SPESQLTEAPDRASASPRQL RSSVCERSSEFEDFWR

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GFI1 growth factor independent 1 transcription repressor [Homo sapiens]
Official Symbol	GFI1
Synonyms	GFI1; growth factor independent 1 transcription repressor; growth factor independent 1 , ZNF163; zinc finger protein Gfi-1; zinc finger protein 163; growth factor independence-1; growth factor independent protein 1; SCN2; GFI-1; ZNF163; FLJ94509;
Gene ID	2672
mRNA Refseq	NM_005263
Protein Refseq	NP_005254
MIM	600871
UniProt ID	Q99684
Chromosome Location	1p22
Pathway	Validated targets of C-MYC transcriptional repression, organism-specific biosystem;

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Function	DNA binding; metal ion binding; protein binding; transcription regulatory region DNA binding; zinc ion binding;

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