

Recombinant Human GFI1 protein, His-tagged

Cat. No. GFI1-185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GFI1, transcript variant 1, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	45.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Concentration >50 ug/mL as determined by microplate BCA method

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;

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

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