

Recombinant Human GFI1, His-tagged

Cat. No. GFI1-13229H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GFI1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-422a.a.
Description	This gene encodes a mitochondrial enzyme that belongs to the amidinotransferase family. This enzyme is involved in creatine biosynthesis, whereby it catalyzes the transfer of a guanido group from L-arginine to glycine, resulting in guanidinoacetic acid, the immediate precursor of creatine. Mutations in this gene cause arginine:glycine amidinotransferase deficiency, an inborn error of creatine synthesis characterized by mental retardation, language impairment, and behavioral disorders.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	GFI1 growth factor independent 1 transcription repressor [Homo sapiens]
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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_001127215
Protein Refseq	NP_001120687
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;