

Datasheet for ABIN7553994
GFI1 Protein (AA 1-422) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	GFI1
Protein Characteristics:	AA 1-422
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GFI1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat GFI1 Protein expressed in mammalian cells.
Sequence:	<p>MPRSFLVKSK KAHSYHQPRS PGPDYSLRLE NVPAPSRADS TSNAGGAKAE PRDRLSPESQ LTEAPDRASA SPDSCEGSVC ERSSEFEDEFW RPPSPSASPA SEKSMCPSLD EAQPFPLPFK PYSWSGLAGS DLRHLVQSYR PCGALERGAG LGLFCEPAPE PGHPAALYGP KRAAGGAGAG APGSCSAGAG ATAGPGLGLY GDFGSAAAGL YERPTAAAGL LYPERGHGLH ADKGAGVKVE SELLCTRLLL GGGSYKCIKC SKVFSTPHGL EVHVRRSHSG TRPFACEMCG KTFGHAVSLE QHKAVHSQER SFDCKICGKS FKRSSTLSTH LLIHSDTRPY PCQYCGKRFH QKSDMKKHTF IHTGEKPHKC QVCGKAFSQS SNLITHSRKH TGFKPFGCDL CGKGFQRKVD LRRHRETQHG LK</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
---------	---

Grade:	custom-made
--------	-------------

Target Details

Target:	GFI1
---------	------

Alternative Name:	GFI1 (GFI1 Products)
-------------------	--

Background:	<p>Zinc finger protein Gfi-1 (Growth factor independent protein 1) (Zinc finger protein 163),FUNCTION: Transcription repressor essential for hematopoiesis. Functions in a cell-context and development-specific manner. Binds to 5'-TAAATCAC[AT]GCA-3' in the promoter region of a large number of genes. Component of several complexes, including the EHMT2-GFI1-HDAC1, AJUBA-GFI1-HDAC1 and RCOR-GFI-KDM1A-HDAC complexes, that suppress, via histone deacetylase (HDAC) recruitment, a number of genes implicated in multilineage blood cell development. Regulates neutrophil differentiation, promotes proliferation of lymphoid cells, and is required for granulocyte development. Inhibits SPI1 transcriptional activity at macrophage-specific genes, repressing macrophage differentiation of myeloid progenitor cells and promoting granulocyte commitment (By similarity). Mediates, together with U2AF1L4, the alternative splicing of CD45 and controls T-cell receptor signaling. Regulates the endotoxin-mediated Toll-like receptor (TLR) inflammatory response by antagonizing RELA. Cooperates with CBFA2T2 to regulate ITGB1-dependent neurite growth. Controls cell-cycle progression by repressing CDKNIA/p21 transcription in response to TGFB1 via recruitment of GFI1 by ZBTB17</p>
-------------	--

Target Details

to the CDKNIA/p21 and CDKNIB promoters. Required for the maintenance of inner ear hair cells. {ECO:0000250|UniProtKB:P70338, ECO:0000269|PubMed:11060035, ECO:0000269|PubMed:12778173, ECO:0000269|PubMed:16287849, ECO:0000269|PubMed:17197705, ECO:0000269|PubMed:17646546, ECO:0000269|PubMed:18805794, ECO:0000269|PubMed:19026687, ECO:0000269|PubMed:19164764, ECO:0000269|PubMed:20190815, ECO:0000269|PubMed:20547752, ECO:0000269|PubMed:8754800}.

Molecular Weight: 45.3 kDa

UniProt: [Q99684](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months