

Datasheet for ABIN935007
HIF1AN Protein (AA 1-349)



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1 Image

Overview

Quantity:	100 µg
Target:	HIF1AN
Protein Characteristics:	AA 1-349
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MAATAAEAVA SGSGEPREEA GALGPAWDES QLRYSYFPTR PIPRLSQSDP RAEELIENEE PVVLTDTNLV YPALKWDLEY LQENINGGDF SVYSASTHKF LYYDEKKMAN FQNFKPRSNR EEMKFHEFVE KLQDIQQRGG EERLYLQQTL NDTVGRKIVM DFLGFNWNWI NKQQGKRGWG QLTSNLLIG MEGNVTPAHY DEQQNFFAQI KGYKRCILFP PDQFECLYPY PVHHPGDRQS QVDFDNPDIYE RFPNFQNVVG YETVVGPGDV LYIPMYWWHH IESLLNGGIT ITVNFWYKGA PTPKRIEYPL KAHQKVAIMR NIEKMLGEAL GNPQEVGPLL NTMIKGRYN
Characteristics:	Purified recombinant Human HIF1 AN protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 90 % pure

Target Details

Target:	HIF1AN
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Target Details

Alternative Name: HIF1AN ([HIF1AN Products](#))

Background: Hypoxia-inducible factor 1, alpha subunit inhibitor (HIF1AN), a member of the Fe²⁺ and 2-oxoglutarate-dependent dioxygenase superfamily, is a protein that hydroxylates a specific asparagine residue (Asn-803) within the HIF1alpha C-terminal transactivation domain. In normoxia, the HIF1AN-mediated hydroxylation of the HIF1alpha transactivation domain results in blockage of the HIF1alpha-p300/CBP interaction and represses transcriptional activity of HIF1alpha-targeted genes. Recombinant human HIF1AN protein was expressed in E. coli and purified by using conventional chromatography techniques.

Alternative Names: HIFAN 1, FIH 1 protein, DKFZp762F1811 protein, Hypoxia-inducible factor 1 protein, HIFAN-1, Hypoxia-inducible factor asparagine hydroxylase protein, Hypoxia inducible factor 1 alpha subunit inhibitor protein, alpha subunit inhibitor Hypoxia inducible factor asparagine hydroxylase protein, Factor inhibiting HIF1 protein, Peptide aspartate beta dioxygenase protein, HIFAN-1 protein, HIFAN 1 protein, FLJ22027 protein, FLJ20615 protein, Hypoxia inducible factor 1 alpha inhibitor protein, FIH1 protein, Factor inhibiting HIF-1 protein, Hypoxia-Inducible Factor-1 Alpha Inhibitor, HIF1AN

Molecular Weight: 40.2 kDa (349 AA)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: HIF1AN protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

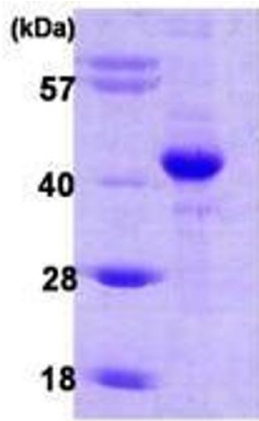
Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris-HCl buffer, pH 8.0.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.