

Product datasheet for AR09113PU-L

HIF1AN / FIH1 (1-349) Human Protein

Product data:

OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
Description:	HIF1AN / FIH1 (1-349) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAATAAEAVA SGSGEPREEA GALGPAWDES QLRSYSFPTR PIPRLSQSDP RAEELIENEE PVVLTDTNLV YPALKWDLEY LQENIGNGDF SVYSASTHKF LYYDEKKMAN FQNFKPRSNR EEMKFHEFVE KLQDIQQRGG EERLYLQQTL NDTVGRKIVM DFLGFNWNWI NKQQGKRGWG QLTSNLLLIG MEGNVTPAHY DEQQNFFAQI KGYKRCILFP PDQFECLYPY PVHHPCDRQS QVDFDNPDYE RFPNFQNVVG YETVVGPGDV LYIPMYWWHH IESLLNGGIT ITVNFWYKGA PTPKRIEYPL KAHQKVAIMR NIEKMLGEAL GNPQEVGPLL NTMIKGRYN
Predicted MW:	40.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0)
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HIF1AN protein was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 060372</u>
Locus ID:	55662
UniProt ID:	<u>Q9NWT6</u>
Cytogenetics:	10q24.31
Synonyms:	FIH1



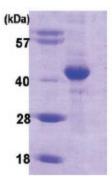
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Serigene HIF1AN / FIH1 (1-349) Human Protein – AR09113PU-L

Summary:Hydroxylates HIF-1 alpha at 'Asn-803' in the C-terminal transactivation domain (CAD).Functions as an oxygen sensor and, under normoxic conditions, the hydroxylation prevents
interaction of HIF-1 with transcriptional coactivators including Cbp/p300-interacting
transactivator. Involved in transcriptional repression through interaction with HIF1A, VHL and
histone deacetylases. Hydroxylates specific Asn residues within ankyrin repeat domains (ARD)
of NFKB1, NFKBIA, NOTCH1, ASB4, PPP1R12A and several other ARD-containing proteins. Also
hydroxylates Asp and His residues within ARDs of ANK1 and TNKS2, respectively. Negatively
regulates NOTCH1 activity, accelerating myogenic differentiation. Positively regulates ASB4
activity, promoting vascular differentiation.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



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