

Recombinant Human HIF1AN

Catalog No: #GP12300



Package Size: #GP12300-1 100ug

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Description

Product Name	Recombinant Human HIF1AN
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	hypoxia inducible factor 1, alpha subunit inhibitor
Other Names	FIH1
Accession No.	Swissprot:Q9NWT6 Gene Accession:BC007719
Uniprot	Q9NWT6
GeneID	55662;
Storage	-20~-80°C, pH 7.6 PBS

Background

Hydroxylates HIF-1 alpha at 'Asp-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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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