

Human HIF3alpha (Hypoxia Inducible Factor 3 Alpha) ELISA Kit | HIF3alpha elisa kit

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CATALOG #
AAA277681

REACTIVITY
Human

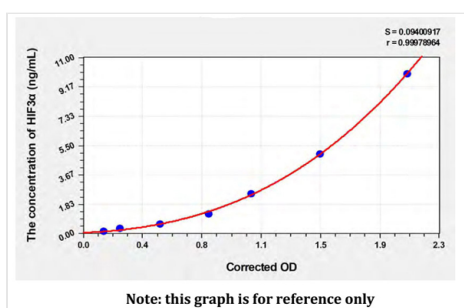
PRODUCT SYNONYMS

HIF3alpha (Hypoxia Inducible Factor 3 Alpha); Human HIF3alpha (Hypoxia Inducible Factor 3 Alpha) ELISA Kit; Basic-helix-loop-helix-PAS protein MOP7; Class E basic helix-loop-helix protein 17; bHLHe17; HIF3-alpha-1; Inhibitory PAS domain protein; IPAS; Member of PAS protein 7; PAS domain-containing protein 7; HIF3alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human HIF3alpha. No significant cross-reactivity or interference between Human HIF3alpha and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.057 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HIF3alpha elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human HIF3alpha. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human HIF3alpha. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Human HIF3alpha, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Human HIF3alpha in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	90421311
NCBI GeneID	64344
NCBI Accession #	NP_690008.2
NCBI GenBank Nucleotide #	NM_152795.3
UniProt Accession #	Q9Y2N7; Q58A43; Q66K72; Q8WXA1; Q96K34; Q9H7Z9; Q9HAI2; B0M185; B4DNA2
Molecular Weight	72,433 Da
NCBI Official Full Name	hypoxia-inducible factor 3-alpha isoform c
NCBI Official Synonym Full Names	hypoxia inducible factor 3, alpha subunit
NCBI Official Symbol	HIF3A
NCBI Official Synonym Symbols	IPAS; MOP7; PASD7; HIF-3A; bHLHe17
NCBI Protein Information	hypoxia-inducible factor 3-alpha; HIF3-alpha-1; member of PAS protein 7; inhibitory PAS domain protein; PAS domain-containing protein 7; basic-helix-loop-helix-PAS protein MOP7; class E basic helix-loop-helix protein 17
UniProt Protein Name	Hypoxia-inducible factor 3-alpha
UniProt Gene Name	HIF3A
UniProt Synonym Gene Names	BHLHE17; MOP7; PASD7; HIF-3-alpha; HIF3-alpha; bHLHe17; IPAS
UniProt Entry Name	HIF3A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/hif3alpha-hypoxia-inducible-factor-3-alpha/277681>