

Human Angiogenic Factor With G Patch And FHA Domains 1 (AGGF1) ELISA Kit | AGGF1 elisa kit

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CATALOG #
AAA331147

REACTIVITY
Human

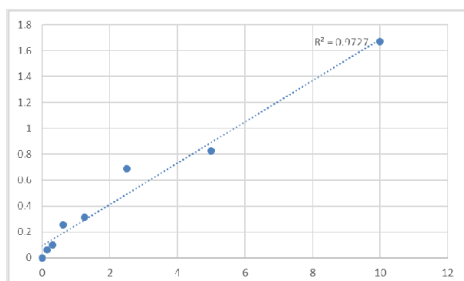
PRODUCT SYNONYMS

Angiogenic Factor With G Patch And FHA Domains 1 (AGGF1); Human Angiogenic Factor With G Patch And FHA Domains 1 (AGGF1) ELISA Kit; AGGF1; FLJ10283; GPATC7; GPATCH7; HSU84971; HUS84971; VG5Q; angiogenic factor VG5Q; vasculogenesis gene on 5q; AGGF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Angiogenic factor with G patch and FHA domains 1 (AGGF1) ELISA Kit has high sensitivity and excellent specificity for detection of Human AGGF1. No significant cross-reactivity or interference between Human AGGF1 and analogues was observed.
Sequence Length	714
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Angiogenic factor with G patch and FHA domains 1 (AGGF1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for AGGF1 elisa kit	Description: This Human Angiogenic factor with G patch and FHA domains 1 (AGGF1) ELISA Kit employs a two-site sandwich ELISA to quantitate AGGF1 in samples. An antibody specific for AGGF1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AGGF1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AGGF1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AGGF1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The AGGF1 gene encodes a potent angiogenic factor that contains a forkhead-associated domain and a G-patch domain. VG5Q was ubiquitously expressed in human tissues examined, including heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas. Intracellular localization studies showed VG5Q protein mostly in the cytoplasm and around the nuclei of HMVECs. In an in vitro model of angiogenesis where endothelial cells were plated onto matrigel, VG5Q protein began to redistribute by moving towards the cell periphery and was also detected outside the cell. Purified wildtype VG5Q protein promoted strong angiogenesis in a chick chorioallantoic membrane assay, demonstrating that VG5Q is a potent angiogenic factor. Angiogenesis was inhibited by RNA interference against VG5Q in in vitro assays.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	39725952
NCBI GeneID	55109
NCBI Accession #	NP_060516.2
NCBI GenBank Nucleotide #	NP_060516.2
UniProt Accession #	Q8N302
NCBI Official Full Name	angiogenic factor with G patch and FHA domains 1
NCBI Official Synonym Full Names	angiogenic factor with G-patch and FHA domains 1
NCBI Official Symbol	AGGF1
NCBI Official Synonym Symbols	VG5Q; GPATC7; GPATCH7; HSU84971; HUS84971
NCBI Protein Information	angiogenic factor with G patch and FHA domains 1
UniProt Protein Name	Angiogenic factor with G patch and FHA domains 1
UniProt Gene Name	AGGF1
UniProt Synonym Gene Names	GPATC7; GPATCH7; VG5Q; hVG5Q

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/angiogenic-factor-with-g-patch-and-fha-domains-1-aggf1/331147>