

# Active Recombinant Human Angiogenic Factor With G Patch And FHA Domains 1, His-tagged

**Cat. No.** AGGF1-543H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human AGGF1 protein was expressed in Murine myeloma cell line with a N-terminal 9-His tag. Ala2-Glu714.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Protein Length</b>	2-714 a.a.
<b>Description</b>	AGGF1, was identified by its association with KlippelTrenaunay syndrome (KTS), a congenital vascular morphogenesis disorder. Two genetic alterations found in KTS lead to aberrant expression or function of AGGF1: a chromosomal translocation that falls within the AGGF1 promoter and a glutamate to lysine point mutation at position 133. The human AGGF1 cDNA encodes a 714 amino acid (aa) precursor with a coiled coil domain, an FHA domain, a G-patch domain, and an OCRE domain. FHA domains bind phosphorylated threonine and tyrosine residues.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>N-terminal Sequence</b>	His
<b>Molecular Weight</b>	82.0 kDa
<b>Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized rh AGGF1 at 1

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	μg/mL (100μL/well) can bind rhTWEAK with a linear range of 0.8-50 ng/mL.
<b>Endotoxin Level</b>	< 1.0EU per 1 μg of the protein by the LAL method.
<b>SDS-PAGE</b>	120-140 kDa, reducing conditions.
<b>Purity</b>	> 95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Reconstitution</b>	100μg/mL in sterile PBS.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	AGGF1 angiogenic factor with Gpatch and FHA domains 1 [ Homo sapiens ]
<b>Official Symbol</b>	AGGF1
<b>Synonyms</b>	AGGF1; angiogenic factor with G patch and FHA domains 1; VG5Q; GPATC7; GPATCH7; HSU84971; HUS84971; angiogenic factor VG5Q; vasculogenesis gene on5q protein; patch domain-containing protein 7; G5Q
<b>Gene ID</b>	55109
<b>mRNA Refseq</b>	NM_018046
<b>Protein Refseq</b>	NP_060516

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<b>MIM</b>	608464
<b>UniProt ID</b>	Q8N302
<b>Chromosome Location</b>	5q13.3
<b>Function</b>	eukaryotic cell surface binding; nucleic acid binding; protein binding

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