

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

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

SPECIFICATION

Product Overview	Recombinant Human AGGF1 protein was expressed in Murine myeloma cell line with a N-terminal 9-His tag. Ala2-Glu714.
Species	Human
Source	Mammalian Cells
Protein Length	2-714 a.a.
Description	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.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
N-terminal Sequence	His
Molecular Weight	82.0 kDa
Activity	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.
Endotoxin Level	< 1.0EU per 1 µg of the protein by the LAL method.
SDS-PAGE	120-140 kDa, reducing conditions.
Purity	> 95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	100µg/mL in sterile PBS.
Storage	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

Gene Name	AGGF1 angiogenic factor with Gpatch and FHA domains 1 [Homo sapiens]
Official Symbol	AGGF1
Synonyms	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
Gene ID	55109
mRNA Refseq	NM_018046
Protein Refseq	NP_060516

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

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