

Recombinant Human AMOT Protein, His&GST-tagged

Cat. No. AMOT-138H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMOT Protein (Glu590-Trp820) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu590-Trp820
Description	This gene belongs to the motin family of angiostatin binding proteins characterized by conserved coiled-coil domains and C-terminal PDZ binding motifs. The encoded protein is expressed predominantly in endothelial cells of capillaries as well as larger vessels of the placenta where it may mediate the inhibitory effect of angiostatin on tube formation and the migration of endothelial cells toward growth factors during the formation of new blood vessels. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.7 kDa Accurate Molecular Mass: 57 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	AMOT angiomin [Homo sapiens (human)]
Official Symbol	AMOT
Synonyms	AMOT; angiomin; KIAA1071; angiomin p80 isoform; angiomin p130 isoform
Gene ID	154796
mRNA Refseq	NM_001113490
Protein Refseq	NP_001106962
MIM	300410
UniProt ID	Q4VCS5

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