

Recombinant Human Angiomotin

Cat. No. AMOT-1989H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human AMOT (a.a. 259) is produced in <i>E.coli</i> , 30.0 kDa.
Species	Human
Source	<i>E.coli</i>
Description	Ang K1-3 is a proteolytic fragment of plasminogen containing the first three kringle structures. A specific inhibitor of endothelial cell growth and angiogenesis. More active relative to kringles 1-4. Ang K1-3 reduces endothelial cell proliferation and acts as a potent inhibitor of angiogenesis and tumor growth.
Amino Acid Sequence	VYLSECKTGN GKNYRGTM SK TKNGITCQKW SSTSPHRPRF SPAT HPSEGL EENYCRNPDN DPQGPWCYTT DPEKRYDYCD ILECEEECMH CSGE NYDGKI SKTMSGLEQC AWDSQSPHAH GYIPSKFPNK NLKK NYCRNP DREL RPWCFT TDPNKRWELC DIPRCTTPPP SSGP TYQCLKGTGENYRG NV AVTVSGHTCQ HWSAQTPHTH NRTPENFPCK NLDENYCRNP DGKRAPWCHT TNSQVRWEYC KIPSCDSSP.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	Greater than 95.0% as determined by: Analysis by RP-HPLC; Analysis by SDS-PAGE.
Formulation	Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM NaAc, pH5.5, 4% mannitol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Solubility

We recommend to briefly centrifuge the vial prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

Storage

The lyophilized Angiostatin K1-3 is stable for several weeks at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name [AMOT angiomin \[Homo sapiens \]](#)

Synonyms angiomin; KIAA1071; AMOT; angiomin p80 isoform; angiomin p130 isoform

Gene ID [154796](#)

mRNA Refseq [NM_001113490](#)

Protein Refseq [NP_001106962](#)

MIM [300410](#)

UniProt ID Q4VCS5

Chromosome Location Xq23

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Function

angiostatin binding; protein binding; receptor activity

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