

Full-Length

AMOT (Human) Recombinant Protein (P01)

Catalog # H00154796-P01

Size 25 ug, 10 ug

Applications

Specification

Product Description

Human AMOT full-length ORF (NP_573572.1, 1 a.a. - 675 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPRAQPSSASYQVPADPFAMVSRQQMVEILSDENRNLRQELEGCYEKVARLQKVETEIQRVSE
AYENLVKSSSKREALEKAMRNKLEGEIRRMHDFNRDLRERLETANKQLAEKEYEGSEDTRKTISQ
LFAKNKESQREKEKLEAELATARSTNEDQRRHIEIRDQALSNAQAKVVKLEELKKKQVYVDKVE
KMQQALVQLQAACEKREQLHRLRTRLERELESLRIQQRQGNCQPTNVSEYNAAALMELLREKE
ERILALEADMTKWEQKYLEENVMRHFALDAAATVAAQRDITVISHSPNTSYDTALEARIQKEEEEIL
MANKRCLDMEGRIKTLHAQIIKEDAMIKVLQQRSRKEPSKTEQLSCMRPAKSLMSISNAGSGLLSH
SSTLTGSPIMEEKRDDKSWKGSGLILLGGDYRAEYVPSTPSPVPPSTPLLSAHSKTGSRDCSTQT
ERGTESNKTA AVAPISVPAPVAAAATAAAITATAATITTTMVAAAPVAVAAAAAPAAAAAPSPATA
AATAAAVSPAAAGQIPAAASVASAAAVAPSAAAAAAVQVAPAAPVPAPALVPVPAPAAAQA
SAPAQTQAPTSAPAVAPTPAPTPTPAVAQAEVPASPATGPGPHRLSIPSLTCNPDKTDGPVFHS
NTLERKTPIQLGQEPDAEMVEYLI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

98.9

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AMOT

Entrez GeneID	154796
GeneBank Accession#	NM_133265.2
Protein Accession#	NP_573572.1
Gene Name	AMOT
Gene Alias	KIAA1071
Gene Description	angiomotin
Omim ID	300410
Gene Ontology	Hyperlink

Gene Summary	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 to ward growth factors during the formation of new blood vessels. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]
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Other Designations	OTTHUMP00000023866 angiomotin p130 isoform angiomotin p80 isoform
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Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)