

#### OriGene Technologies, Inc.

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# Product datasheet for PH300321

## Angiopoietin like 7 (ANGPTL7) (NM\_021146) Human Mass Spec Standard

#### **Product data:**

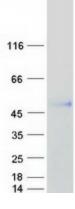
Nescription:AKGPTL7 MS Standard C13 and N15-labeled recombinant protein (NP_066969)Species:HumanExpression Host:HEK293Expression DNACtions or AdSequence:Re200321Predicted MW:A baPretein Sequence:Red <sup>2</sup> Cl00311 protein sequence Red <sup>2</sup> Cl001ing site Green=Tags(s)Pretein Sequence:Red <sup>2</sup> Cl001ing site Green=Tags(s)Treptein Sequence:Red <sup>2</sup> Cl001ing site Green=Tags(s)Treptein Sequence:Red <sup>2</sup> Cl001ing site Green=Tags(s)Tags:O for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green=Tags(s)Tags:O for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green=Tags(s)Tags:O for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green=Tags(s)Tags:O for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green Tags(s)Tags:O for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green Tags(s)Tags:O for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green Tags(s)Tags:O for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green Tags(s)Tags:O for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green Tags(s)Tags:O for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green Tags(s)Tags:D for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green Tags(s)Tags:D for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green Tags(s)Tags:D for JOP DOF Los PEL/Protein Sequence Red <sup>2</sup> Cl001ing site Green Tags(s)Staffing Method:Sequence Sequence Sequence <tr< th=""><th>Product Type:</th><th>Mass Spec Standards</th></tr<>	Product Type:	Mass Spec Standards
Fxpression Host:HEK293Expression cDNA CloonRC200321Predicted MW:40 kDaPredicted MW:80 kDaProtein Sequence:>RC200321 protein sequence Red=Cloning site Green=Tags(s)MLKKPLSAVTWCLFTIVAFVSHPAWLQKLSKHKPRAPQLKAANCCEEVKELKAQVANLSSLLSELNKKQ ErbowsvWqWQWELESNSKMESRLTDAESKYSEMNNQ1DIMQLQAAQTVTQTSADAIYDCSSLYQNNR SIGNEX/SUPPOPLGSPELEVFCDMETSGGGWT1IQRRSGLVSFYRQNVQKGFGSTRGDFWLGNEHTH RLSRQPTRLRVEMEDWECNLRVAEVSHFVLGMELNSYRLFLGNVTGWGMGGTSSLKDKKQBEGSTRDFWLGNEHTH RLSRQPTRLRVEMEDWECNLRVAEVSHFVLGMELNSYRLFLGNVTGWGMGGTSSLKDFWRQNDNN CLDKCAQLRKGDVNCCTDSNLNGVYRLGEHNKHLDGITWYGHGSTYSLKRVEMKIRPEDFKPTag:CMyc/DDKTag:CMyc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-LArginine and [U-13C6, 15N2]-L-LysineBuffer:0.05 µg/µL as determined by microplate BCA methodLabeling:Stora t-80°C. Avoid repeated freeze-thaw cycles.Storage:Storage:Storage:Stora t-80°C. Avoid repeated freeze-thaw cycles.Refseq:NP 066969Refseq ORF:0307Artischer Die Glogense:0307Foronyms:Mag: CDT6; dj647M16.1	Description:	ANGPTL7 MS Standard C13 and N15-labeled recombinant protein (NP_066969)
Argession cDNA CloomRC200321Predicted MW:40 kDaProtein Sequence:RC200321 protein sequence Red=Cloning site Green=Tags(s)Protein Sequence:RC200321 protein sequence Red=Cloning site Green=Tags(s)KLKKPLSAVTWLCIFIVAFVSHPAWLQKLSKHKTPAQPQLKAANCCEEVKELKAQVANLSSLLSELNKKQ ERDWSVWQWHELESNSKMESRLTDAESKYSEMNNQTDIDQLAQATVTDTSADATVDCSSLYQKNVR RLSROPTRLRVENDEDGENLEVFCDMETSGGGWTIIQRRKSGLVSFYRDWKQYKQGFGSIRGDFWLGNEHIH RLSROPTRLRVENDEDGURVYCTDSNLNGVYYRLGEHNKHLDGITWYGWHGSTYSLKRVEMKIRPEDFKPTag:CMyc/DDKTag:CMyc/DDKPurity:30% a determined by DDS-PAGE and Coomassie blue stainingQuedentific Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.05 µg/µL as determined by microplate BCA methodStorage:Stora 4.80°C. Avoid repeated freeze-thaw cycles.Storage:Stora 6.80°C. Avoid repeated freeze-thaw cycles.Storage:0.905 µGAApple:307RefSeq ORF:0.33Apple:0.38Storage:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.39Apple:0.	Species:	Human
or AA Sequence:Predicted MW:40 kDaProtein Sequence:>Rc200321 protein sequenceRed=Cloning site Green=Tags(s)MLKKPLSAVTWLCIFIVAFVSHPAWLQKLSKHKTPAQPQLKAANCCEEVKELKAQVANLSSLLSELNKKQ ERDWSVVMQVMELESNSKMESRLTDAESKYSEMNNQDIDMQLQAQTYTGTSADAIYOCSSLVQKNYR SIGSVKLPPDDFLGSPELEVCOMESGGWTIQRRSGLVSFYRDWKQYKQGGSGRGDFWLGNEHIH RTRPLEQKLISEDLAANDILDYKDDDDKVTag:CMyc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodBuffer:Caled with [U-13C6, 15N4]-LArginine and [U-13C6, 15N2]-L-LysineBuffer:Siom Arris-HCL, 100 mM glycine, pH 7.3Storage:Caled of an onthe from receipt of products under proper storage and handling conditionsRefSeq GRic:307RefSeq ORF:1038Storage:1038Anyonyme:May CDT6, dj647M16.1	Expression Host:	HEK293
Protein Sequence:Rc200321 protein sequence Red=Cloning site Green=Tags(s) <td< th=""><td>•</td><td>RC200321</td></td<>	•	RC200321
Red=Cloning site Green=Tags(s)MLKKPLSAVTWLCIFIVAFVSHPAWLQKLSKHKTPAQPQLKAANCCEEVKELKAQVANLSSLLSELNKKQ ERDWVSVVMQVMELESNSKRMESRLTDAESKYSEMNNQIDIMQLQAQTVTQTSADATYDCSSLVQKNVR ISGVYKLPPDDFLGSPELEVFCDMETSGGGWTIIQRRKSGLVSFYRDWKQYKQGFGSIRGDFWLGNEHIH RLSRQPTRLRVEMEDWEONLRYAEYSHFVLGNELNSVRLFLCNYTGNVGNDALQVHNNTAFSTKDKDNDN CLDKCAQLRKGGYWYNCCTDSNLNGVYYRLGEHNKHLDGITWYGWHGSTYSLKRVEMKIRPEDFKP TRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 066969RefSeq ORF:1038Synonyms:AngX; CDT6; dJ647M16.1	Predicted MW:	40 kDa
ERDWVSVVMQVMELESNSKRMESRLTDAESKYSEMNNQIDIMQLQAQQTVTQTSADAIYDCSSLYQKNYR SGVVYLPPDDFLGSPELEVFCOMETSGGGWTTIQRRKSGLVSFYRDWKQYKQGFGSTRGDFWLGNEHTH NLSRQPTRLRVEMEDWEGNLRYAEYSHFVLGNELNSYRLFLGNYTGNVGNDALQYHNNTAFSTKDKDNDN CLDKCAQLRKGGYWYNCCTDSNLNGVYYRLGEHNKHLDGITWYGWHGSTYSLKRVEMKIRPEDFKPTarrepleQkLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:05 mM Tris-HCI, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.RefSeq:NP 066969RefSeq:0.05MP 066969303RefSeq ORF:0.38Synonyms:May: CDT6; dJ647M16.1	Protein Sequence:	
Tag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µ as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 066969RefSeq ORF:038Angx, CDTG: dJGATMELSMagx, CDTG: dJGATMELS		ERDWVSVVMQVMELESNSKRMESRLTDAESKYSEMNNQIDIMQLQAAQTVTQTSADAIYDCSSLYQKNYR ISGVYKLPPDDFLGSPELEVFCDMETSGGGWTIIQRRKSGLVSFYRDWKQYKQGFGSIRGDFWLGNEHIH RLSRQPTRLRVEMEDWEGNLRYAEYSHFVLGNELNSYRLFLGNYTGNVGNDALQYHNNTAFSTKDKDNDN
Purity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 066969RefSeq ORF:1038Synonyms:AngX; CDT6; dJ647M16.1		TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Concentration:>0.05 μg/μL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 066969RefSeq Size:2307RefSeq ORF:1038Synonyms:AngX; CDT6; dJ647M16.1	Tag:	C-Myc/DDK
Labeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 066969RefSeq ORF:1038Synonyms:AngX; CDT6; dJ647M16.1	Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 066969RefSeq Size:2307RefSeq ORF:1038Synonyms:AngX; CDT6; dJ647M16.1	Concentration:	>0.05 μg/μL as determined by microplate BCA method
Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 066969RefSeq Size:2307RefSeq ORF:1038Synonyms:AngX; CDT6; dJ647M16.1	Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 066969RefSeq Size:2307RefSeq ORF:1038Synonyms:AngX; CDT6; dJ647M16.1	Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
RefSeq: NP 066969   RefSeq Size: 2307   RefSeq ORF: 1038   Synonyms: AngX; CDT6; dJ647M16.1	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
RefSeq Size: 2307   RefSeq ORF: 1038   Synonyms: AngX; CDT6; dJ647M16.1	Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq ORF: 1038   Synonyms: AngX; CDT6; dJ647M16.1	RefSeq:	<u>NP 066969</u>
Synonyms: AngX; CDT6; dJ647M16.1	RefSeq Size:	2307
	RefSeq ORF:	1038
Locus ID: 10218	Synonyms:	AngX; CDT6; dJ647M16.1
	Locus ID:	10218



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	Angiopoietin like 7 (ANGPTL7) (NM_021146) Human Mass Spec Standard – PH300321
UniProt ID:	<u>043827</u>
Cytogenetics:	1p36.22
Summary:	Has a role in the formation and organization of the extracellular matrix. In the eye, it functions as a mediator of dexamethasone-induced matrix deposition in the trabecular meshwork, the tissue responsible for the outflow of the ocular aqueous humor and for the maintenance of intraocular pressure (PubMed:21199193). Is a negative regulator of angiogenesis in the cornea, and plays a major role in maintaining corneal avascularity and transparency (PubMed:25622036).[UniProtKB/Swiss-Prot Function]
<b>Protein Families</b>	: Druggable Genome, Secreted Protein, Transmembrane

## **Product images:**



Coomassie blue staining of purified ANGPTL7 protein (Cat# [TP300321]). The protein was produced from HEK293T cells transfected with ANGPTL7 cDNA clone (Cat# [RC200321]) using MegaTran 2.0 (Cat# [TT210002]).

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