

# Recombinant Human Cysteine-rich Angiogenic Inducer 61

Catalog No: #AP60085

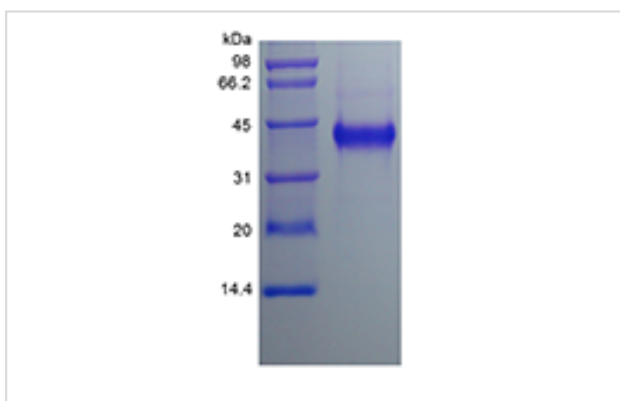
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Package Size: #AP60085-1 5ug #AP60085-2 100ug #AP60085-3 500ug

## Description

Product Name	Recombinant Human Cysteine-rich Angiogenic Inducer 61
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Other Names	CCN1, Cysteine-rich Angiogenic Inducer 61, GIG1, IGFBP-10
Uniprot	O00622
GeneID	3491
Calculated MW	Approximately 39.4 kDa, a single non-glycosylated polypeptide chain containing 357 amino acids.
Target Sequence	<p>TCPAACHCPL EAPKCAPGVG LVRDGGCGCCK VCAKQLNEDC SKTQPCDHTK GLECNFGASS</p> <p>TALKGICRAQ SEGRPCEYNS RIYQNGESFQ PNCKHQCTCI DGAVGCIPLC PQELSLPNLG CPNPRLVKVT</p> <p>GQCCEEWVCD EDSIKDPMED QDGLLGKELG FDASEVELTR NNELIavgkG SSLKRLPVFG MEPRILYNPL</p> <p>QGQKcivQTT SWSQCSKTCG TGISTRVTND NPECRLVKET RICEVRPCGQ PVYSSLKKGK KCSKTKKSPE</p> <p>PVRFTYAGCL SVKKYRPKYC GSCVDGRCCT PQLTRTVKMR FRCEDGETFS KNVMMIQSCK</p> <p>CNYNCPHANE AAFPYRLFN DIHKFRD</p>
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in citrate buffer solution, 300 mM NaCl, pH 3.0.
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.

## Images



## Background

Cysteine-rich angiogenic inducer 61 (Cyr61) encoded by the Cyr61 gene is a dynamically expressed, multifunctional matricellular protein and it is also a secreted, extracellular matrix (ECM)-associated signaling protein of the CCN family. Cyr61 plays essential roles in cardiovascular development during embryogenesis and regulates inflammation, wound healing and fibrogenesis in the adult. Aberrant CCN1 expression is associated with myriad pathologies, including various cancers and diseases associated with chronic inflammation. Mature human Cyr61 shares 93% amino acid sequence identity with mouse and rat Cyr61. Cyr61 consists of four domains. There are an IGFBP domain, a VWF type C domain, a TSP type I domain, and a

cysteine knot domain.

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Note: This product is for in vitro research use only