

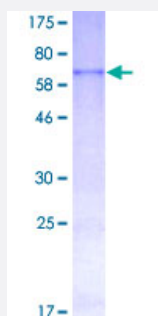
Full-Length

CYR61 (Human) Recombinant Protein (P02)

Catalog # H00003491-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CYR61 full-length ORF (AAH16952.1, 25 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

TCPAACHCPLAPKCAPGVGLVRDGCCKVCAKQLNEDCSKTQPCDHTKGLECNFGASSTA
LKGICRAQSEGRPCEYNSRIYQNGESFQPNCKHQCTCIDGAVGCIPQLCPQELSLPNLGCNPRLV
KVTGQCCEEWVCDDESIKDPMEDQDGLLGKELGFDASEVELTRNNELIAGVGKSSSLKRLPVFG
MEPRILYNPLQGQKCIVQTTWSQCSKTCGTGISTRVTNDNPECRLVKETRICEVRPCGQPVYSSL
KKGKKCSKTKKSPEPVRFTYAGCLSVKKYRPHYCGSCVDGRCCTPQLTRTVKMRFRCEGETF
SKNVMMIQSKCNYNCPHANEAAFPFYRLFNDIHKFRD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.9

Interspecies Antigen Sequence

Mouse (92)

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 — CYR61

Entrez GeneID[3491](#)**GeneBank Accession#**[BC016952](#)**Protein Accession#**[AAH16952.1](#)**Gene Name**

CYR61

Gene Alias

CCN1, GIG1, IGFBP10

Gene Description

cysteine-rich, angiogenic inducer, 61

Omim ID[602369](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

CYR61 is a secreted, cysteine-rich, heparin-binding protein encoded by a growth factor-inducible immediate-early gene. Acting as an extracellular, matrix-associated signaling molecule, CYR61 promotes the adhesion of endothelial cells through interaction with integrin and augments growth factor-induced DNA synthesis in the same cell type.[supplied by OMIM]

Other Designations

OTTHUMP00000012303|cysteine-rich heparin-binding protein 61|cysteine-rich, anigogenic inducer, 61

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Ovarian Neoplasms](#)