



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### CYR61 (Human) Recombinant Protein (P01)

**Catalog Number:** H00003491-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CYR61 full-length ORF (AAH01271.1, 1 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MSSRIARALALVVTLLHLTRLAPSTCPAACHCPLEAPK  
CAPGVGLVRDGCCKVCAKQLNEDCSKTQPCDHTK  
GLECNFGASSTALKGICRAQSEGRPCEYNSRIYQNGE  
SFQPNCKHQCTCIDGAVGCIPLCPQELSLPNLGCPNP  
RLVKVTGQCCEEWVCEDESIKDPMEDQDGLLGKELG  
FDASEVELTRNNELIavgkGSSLRKLPVFGMEPRILYN  
PLQGQKCIVQTTSWSQCSKTCGTGISTRVTNDNPECR  
LVKETRICKVRPCGQPVYSSLLKKGKCSKTKKSPEPV  
RFTYAGCLSVKKYRPHYCGSCVDGRCCTPQLTRTVK  
MRFRCEGETFSKNVMMIQSCKCNYNCPHANEAAFP  
FYRLFNDIHKFRD

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 67.65

**Interspecies Antigen Sequence:** Mouse (91)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**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.

**Entrez GeneID:** 3491

**Gene Symbol:** CYR61

**Gene Alias:** CCN1, GIG1, IGFBP10

**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]

**References:**

1. Sensitive Blood-Based Detection of Asbestos-Associated Diseases Using Cysteine-Rich Angiogenic Inducer 61 as Circulating Protein Biomarker. Kai Bartkowiak, Swaantje Casjens, Antje Andreas, Lucija A?kar, Simon A Joosse, Irina Raiko, Thomas Bruning, Maria Geffken, Sven Peine, Georg Johnen, Daniel Gilbert Weber, Klaus Pantel. Clin Chem. 2021 Jan 30;67(2):363-373. doi: 10.1093/clinchem/hvaa232.
2. CYR61/CCN1 Regulates Sclerostin Levels and Bone Maintenance. Zhao G, Huang BL, Rigueur D, Wang W, Bhoot C, Charles KR, Baek J, Mohan S, Jiang J, Lyons KM. J Bone Miner Res. 2018 Jan 19. [Epub ahead of print]
3. Cyr61 induces the expression of monocyte chemoattractant protein-1 via the integrin ???3, FAK, PI3K/Akt, and NF-?B pathways in retinal vascular endothelial cells. You JJ, Yang CH, Yang CM, Chen MS Cell Signal. 2013 Sep 22. pii: S0898-6568(13)00261-1. doi: 10.1016/j.cellsig.2013.08.026.