

# Recombinant Human Cysteine and Glycine-rich Protein 2, His-tagged

**Cat. No.** CSRP2-465H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant humanCSRP2 protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	CSRP2 (Cysteine andglycine-rich protein 2) is a member of the CSRP family, contains 2 LIMzinc-binding domains, which may be involved in regulatory processes importantfor development and cellular differentiation. This protein plays a role inthe development of the embryonic vascular system. CRP2 contains two copies ofthe cysteine-rich amino acid sequence motif (LIM) with putative zinc-bindingactivity, and may be involved in regulating ordered cell growth. Other genesin the family include CSRP1 and CSRP3
<b>Form</b>	Liquid. In 20 mMTris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT, 200mM NaCl
<b>Molecular Weight</b>	23.5kDa (217aa),confirmed by MALDI-TOF
<b>Purity</b>	> 90% by SDS -PAGE
<b>Concentration</b>	0.5mg/ml (determinedby Bradford assay)
<b>Sequences of</b>	MGSSHHHHHHSSGLVPRGSH MGSHPVWGG GNKCGACGRT VYHAEVQCD

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**aminoacids**                   GRSFHRCCFL CMVCRKNLDS TTVAIHDEEIYCKSCYGKKY GPKGYYGYGQG  
 AGTLNMDRGE RLGKIPESVQ PHRPPTNPNT SKFAQKYGGA  
 EKCSRCDGDSVYAAEKIIGAG KPWHKNCFCR AKCGKSLEST TLTEKEGEIY  
 CKGCYAKNFG PKGFGYGQGA GALVHAQ

**Storage**                       Can be stored at+4°C short term (1-2 weeks). For long term storage, aliquot and store at-20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name**                    CSRP2cysteine and glycine-rich protein 2 [ Homo sapiens ]

**Official Symbol**            CSRP2

**Synonyms**                    CSRP2; cysteine and glycine-richprotein 2; CRP2; LMO5; SmLIM; CRP2; Cysteine and glycine rich protein 2;Cysteine rich protein 2; LMO5; SmLIM; LMO-5; cysteine-rich protein 2; LIMdomain only protein 5; smooth muscle cell LIM protein; LIM domain only 5,smooth muscle

**Gene ID**                        1466

**mRNA Refseq**                NM\_001321

**Protein Refseq**               NP\_001312

**MIM**                            601871

**Uniprot ID**                    Q16527

**Chromosome Location**       12q21.1

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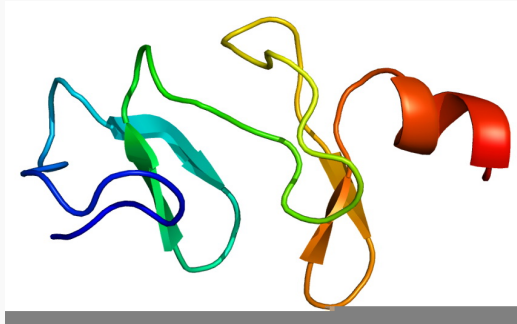
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**Pathway** ATF-2 transcription factor network,organism-specific biosystem


**Function** metal ion binding; molecular function;zinc ion binding

**PDB rendering based  
on 1a7i.**



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