

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

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

SPECIFICATION

Product Overview	Recombinant humanCSRP2 protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	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
Form	Liquid. In 20 mMTris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT, 200mM NaCl
Molecular Weight	23.5kDa (217aa),confirmed by MALDI-TOF
Purity	> 90% by SDS -PAGE
Concentration	0.5mg/ml (determinedby Bradford assay)
Sequences of	MGSSHHHHHHSSGLVPRGSH MGSHPVWGG GNKCGACGRT VYHAEVQCD

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aminoacids

GRSFHRCCFL CMVCRKNLDS TTVAIHDEEIYCKSCYGKKY GPKGYYGYGQG
 AGTLNMDRGE RLGKIPESVQ PHRPTTNPNT SKFAQKYGGA
 EKCSRCGDSVYAAEKIIGAG KPWHKNCFCRC 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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Pathway ATF-2 transcription factor network,organism-specific biosystem

Function metal ion binding; molecular function;zinc ion binding

PDB rendering based on 1a7i.

