Recombinant human CSRP2 protein

Catalog Number: ATGP1530

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-193aa

UniProt No.
Q16527

NCBI Accession No.
NP_001312.1

Alternative Names
cysteine and glycine-rich protein 2, CRP2, LMO5, SmLIM

PRODUCT SPECIFICATION

Molecular Weight
23.5 kDa (217aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 200mM NaCl

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
CSRP2 (Cysteine and glycine-rich protein 2) is a member of the CSRP family, contains 2 LIM zinc-binding domains, which may be involved in regulatory processes important for development and cellular differentiation. This protein plays a role in the development of the embryonic vascular system. CRP2 contains two copies of the cysteine-rich amino acid sequence motif (LIM) with putative zinc-binding activity, and may be involved in regulating ordered cell growth. Other genes in the family include CSRP1 and CSRP3. Recombinant human CSRP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

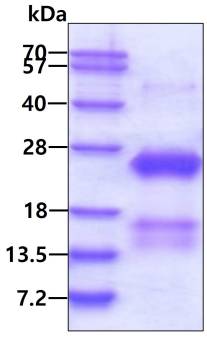
<MGSSHHHHHH SSGLVPRGSH MGSH>MPVWGG GNKCGACGRT VYHAEEVQCD GRSFHRCCFL CMVCRKNLDS TTVAIHDEEI YCKSCYGKKY GPKGYGYGQG AGTLNMDRGE RLGIKPESVQ PHRPTTNPNT SKFAQKYGGA EKCSRCGDSV YAAEKIIGAG KPWHKNCFRC AKCGKSLEST TLTEKEGEIY CKGCYAKNFG PKGFGYGQGA GALVHAQ

General References

Weiskirchen R, et al. (2000). Biochem. Biophys. Res. Commun. 274 (3): 655-63.
Jain MK, et al. (1996). J. Biol. Chem. 271 (17): 10194-9.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.