

Datasheet for ABIN7317625 **CSRP1 Protein (His tag)**



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Overview

Quantity:	50 µg
Target:	CSRP1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CSRP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CSRP1 Protein (His Tag)
Sequence:	Met 1-Glu 193
Characteristics:	A DNA sequence encoding the human CSRP1 (NP_004069.1) (Met 1-Glu 193) was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	CSRP1
Alternative Name:	CSRP1 (CSRP1 Products)
Background:	Background: Cysteine and glycine-rich protein 1, also known as Cysteine-rich protein 1, CSRP1 and CSRP, is a member of the CSRP family which may be involved in regulatory processes important for development and cellular differentiation. CSRP1 contains two LIM zinc-binding domains. The LIM / double zinc-finger motif found in CSRP1 is found in a group of proteins with

Target Details

critical functions in gene regulation, cell growth, and somatic differentiation. Zebrafish CSRP1 is expressed in the mesendoderm and its derivatives. CSRP1 interacts with Dishevelled 2 (Dvl2) and Diversin (Div), which control cell morphology and other dynamic cell behaviors via the noncanonical Wnt and JNK pathways. When CSRP1 message is knocked down, abnormal convergent extension cell movement is induced, resulting in severe deformities in midline structures. In addition, cardiac bifida is induced as a consequence of defects in cardiac mesoderm cell migration. CSRP1 acts as a key molecule of the noncanonical Wnt pathway, which orchestrates cell behaviors during dynamic morphogenetic movements of tissues and organs.

Synonym: CRP;CRP1;CSRP;CYRP;D1S181E;HEL-141

Molecular Weight: 21.4 kDa

NCBI Accession: [NP_004069](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 10 mM Na₂HPO₄, 2 mM KH₂PO₄, 2.7 mM KCl, 500 mM NaCl, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.