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**Recombinant Mouse CSR1 / CSR1 / CRP1 Protein (His tag)****Cat.NO.: TP06528**

3th Edition

**Synonyms:**AA408841;AA959891;AW545626;CRP1;Csrp

**Description:** Cysteine and glycine-rich protein 1, also known as Cysteine-rich protein 1, CSR1 and CSR1, is a member of the CSR1 family which may be involved in regulatory processes important for development and cellular differentiation. CSR1 contains two LIM zinc-binding domains. The LIM / double zinc-finger motif found in CSR1 is found in a group of proteins with critical functions in gene regulation, cell growth, and somatic differentiation. Zebrafish CSR1 is expressed in the mesendoderm and its derivatives. CSR1 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 CSR1 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. CSR1 acts as a key molecule of the noncanonical Wnt pathway, which orchestrates cell behaviors during dynamic morphogenetic movements of tissues and organs.

**Form:**PBS**Molecular Weight:**22 kDa**Sequences:**Met 1-Glu 193**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**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.