



Recombinant Mouse CCN family member 5 (Ccn5)

Product Code	CSB-EP896674MO-B
Abbreviation	Wisp2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9Z0G4
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	QLCPAPC ACPWTPPQCP PGVPLVLDGC GCCRVCARRL GESCDHLHVC DPSQGLVCQP GAGPSGRGAV CLFEEDDGSC EVNGRRYLDG ETFKPNCRVL CRCDDGGFTC LPLCSEDVRL PSWDCPRPRR IQVPGRCCPE WVCDQAVMQP AIQPSSAQGH QLSALVTPAS ADGPCPNWST AWGPCSTTCG LGIATRVSNQ NRFCQLEIQR RLCLSRPCLA SRSHGSWNSA F
Source	E.coli
Target Names	Ccn5
Protein Names	Recommended name: WNT1-inducible-signaling pathway protein 2 Short name= WISP-2Alternative name(s): CCN family member 5 Connective tissue growth factor-like protein Short name= CTGF-L
Expression Region	24-251
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. WNT1 is a member of a family of cysteine-rich, glycosylated signaling proteins that mediate diverse developmental processes. The CTGF family members are characterized by four conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like (CT) domain. The encoded protein lacks the CT domain which is implicated in dimerization and heparin binding. It is 72% identical to the mouse protein at the amino acid level. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Its expression in colon tumors is reduced while the other two WISP members are overexpressed in colon tumors. It is expressed at high levels in bone tissue, and may play an important role in modulating bone



turnover.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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