



# Recombinant Rat CCN family member 4 (Ccn4)

<b>Product Code</b>	CSB-MP857523RA
<b>Abbreviation</b>	Wisp1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q99PP0
<b>Storage Buffer</b>	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	TALSPTPT TMTFTPAPLE ETITRPEFCK WPCECPQAPP RCPLGVSLIT DGCECKICA QQLGDNCTEA AVCDPHRGLY CDYSGDRPRY AIGVCAQVVG VGCVLGVRVY TNGESFQPNC RYNCTCIDGT VGCTPLCLSP RPPRLWCRQP RHVRVPGQCC EQWVCDDAR RPRQTALLDT RAFAASGAVE QRYENCIAYT SPWSPCSTTC GLGISTRISN VNARCWPEQE SRLCNLRPCD VDIRPHIKAG KKCLAVYQPE EATNFTLAGC VSTRYRPKY CGVCTDNRCC IPYKSKTISV DFQCPEGPGF SRQVLWINAC FCNLSCRNPN DIFADLESYP DFAEIAN
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Wisp1
<b>Protein Names</b>	Recommended name: WNT1-inducible-signaling pathway protein 1 Short name= WISP-1 Alternative name(s): CCN family member 4 ELM-1
<b>Expression Region</b>	23-367
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.