Recombinant Mouse Protein Wnt-4 (Wnt4)

Product Code	CSB-YP026137MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P22724
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	SNWLYLAK LSSVGSISEE ETCEKLKGLI QRQVQMCKRN LEVMDSVRRG AQLAIEECQY QFRNRRWNCS TLDSLPVFGK VVTQGTREAA FVYAISSAGV AFAVTRACSS GELEKCGCDR TVHGVSPQGF QWSGCSDNIA YGVAFSQSFV DVRERSKGAS SSRALMNLHN NEAGRKAILT HMRVECKCHG VSGSCEVKTC WRAVPPFRQV GHALKEKFDG ATEVEPRRVG SSRALVPRNA QFKPHTDEDL VYLEPSPDFC EQDIRSGVLG TRGRTCNKTS KAIDGCELLC CGRGFHTAQV ELAERCGCRF HWCCFVKCRQ CQRLVEMHTC R
Source	Yeast
Target Names	Wnt4
Protein Names	Recommended name: Protein Wnt-4
Expression Region	23-351
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	The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family, and is the first signaling molecule shown to influence the sex-determination cascade. It encodes a protein which shows 98% amino acid identity to the Wnt4 protein of mouse and rat. This gene and a nuclear receptor known to antagonize the testis-determining factor play a concerted role in both the control of female development and the prevention of testes formation. This gene and another two family members, WNT2 and WNT7B, may be associated with abnormal proliferation in breast tissue. Mutations in this gene can result in Rokitansky-Kuster-Hauser syndrome and in SERKAL syndrome.
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	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.