Recombinant Mouse Signal transducer and activator of transcription 4 (Stat4)

Product Code	CSB-MP022813MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P42228
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MSQWNQVQQL EIKFLEQVDQ FYDDNFPMEI RHLLAQWIET QDWEVASNNE TMATILLQNL LIQLDEQLGR VSKEKNLLLI HNLKRIRKVL QGKFHGNPMH VAVVISNCLR EERRILAAAN MPIQGPLEKS LQSSSVSERQ RNVEHKVSAI KNSVQMTEQD TKYLEDLQDE FDYRYKTIQT MDQGDKNSIL VNQEVLTLLQ EMLNSLDFKR KEALSKMTQI VNETDLLMNS MLLEELQDWK KRQQIACIGG PLHNGLDQLQ NCFTLLAESL FQLRQQLEKL QEQSTKMTYE GDPIPAQRAH LLERATFLIY NLFKNSFVVE RQPCMPTHPQ RPMVLKTLIQ FTVKLRLLIK LPELNYQVKV KASIDKNVST LSNRRFVLCG THVKAMSSEE SSNGSLSVEF RHLQPKEMKC STGSKGNEGC HMVTEELHSI TFETQICLYG LTINLETSSL PVVMISNVSQ LPNAWASIIW YNVSTNDSQN LVFFNNPPSV TLGQLLEVMS WQFSSYVGRG LNSEQLNMLA EKLTVQSNYN DGHLTWAKFC KEHLPGKTFT FWTWLEAILD LIKKHILPLW IDGYIMGFVS KEKERLLLKD KMPGTFLLRF SESHLGGITF TWVDQSENGE VRFHSVEPYN KGRLSALAFA DILRDYKVIM AENIPENPLK YLYPDIPKDK AFGKHYSSQP CEVSRPTERG DKGYVPSVFI PISTIRSDST EPQSPSDLLP MSPSAYAVLR ENLSPTTIET AMNSPYSAE
Source	Mammalian cell
Target Names	Stat4
Protein Names	Recommended name: Signal transducer and activator of transcription 4
Expression Region	1-749
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 protein
Target Details	This protein is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells.
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.