



Recombinant Human Signal transducer and activator of transcription 4 (STAT4)

Product Code	CSB-MP022813HU
Abbreviation	STAT4
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.	Q14765
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSQWNQVQQL EIKFLEQVDQ FYDDNFPMEI RHLLAQWIEN QDWEAASNNE TMATILLQNL LIQLDEQLGR VSKEKNLLLI HNLKRIRKVL QGKFHGNPMH VAVVISNCLR EERRILAAAN MPVQGGLEKS LQSSSVSERQ RNVEHKVAAI KNSVQMTEQD TKYLEDLQDE FDYRYKTIQT MDQSDKNSAM VNQEVLTQLQ MLNSLDFKRK EALSKMTQII HETDLLMNTM LIEELQDWKR RQQIACIGGP LHNGLDQLQN CFTLLAESLF QLRRQLEKLE EQSTKMTYEG DPIPMQRTHM LERVTFLIYN LFKNSFVVER QPCMPHPQR PLVLKTLIQF TVKLRLLIKL PELNYQVKVK ASIDKNVSTL SNRRFVLCGT NVKAMSIEES SNGSLSVEFR HLQPKEMKSS AGGKGNEGCH MVTEELHSIT FETQICLYGL TIDLETSSLP VVMISNVSQL PNAWASIIWY NVSTNDSQNL VFFNPPPAT LSQLEVMWSW QFSSYVGRGL NSDQLHMLAE KLTQSSSYSD GHILTAKFCK EHLPGKSFTF WTWLEAILDL IKKHILPLWI DGYVMGFVSK EKERLLKDK MPGTFLFRS ESHLGGITFT WVDHSESGEV RFHSVEPYNK GRLSALPFAD ILRDYKVIMA ENIPENPLKY LYPDIPKDKA FGKHYSSQPC EVSRPTERGD KGYVPSVFIP ISTIRSDSTE PHSPDLLPM SPSVYAVLRE NLSPTTIETA MKSPYSAE
Source	Mammalian cell
Target Names	STAT4
Protein Names	Recommended name: Signal transducer and activator of transcription 4
Expression Region	1-748
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.