



Recombinant Mouse Tumor necrosis factor (Tnf), partial

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| Product Code | CSB-EP023955MO1-B |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P06804 |
| Product Type | Recombinant Protein |
| Immunogen Species | Mus musculus (Mouse) |
| Purity | >85% (SDS-PAGE) |
| Sequence | GPQR DEKFPNGLPL ISSMAQTLTL RSSSQNSSDK PVAHVVANHQ VEEQLEWLSQ RANALLANGM DLKDNQLVVP ADGLYLVYSQ VLFKGGQCPD YVLLTHTVSR FAISYQEKVN LLSAVKSPCP KDTPEGAEK PWYEPIYLG VFQLEKGDQL SAEVNLPKYL DFAESGQVYF GVIAL |
| Source | E.coli |
| Target Names | Tnf |
| Protein Names | Recommended name: Tumor necrosis factor Alternative name(s): Cachectin TNF-alpha Tumor necrosis factor ligand superfamily member 2 Short name= TNF-a Cleaved into the following 6 chains: 1. Tumor necrosis factor, membrane formAl |
| Expression Region | 57-235 |
| 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 | Extracellular domain |
| Target Details | This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer. Knockout studies in mice also suggested the neuroprotective function of this cytokine. |
| 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.