



# Recombinant Mouse Serotransferrin (Tf)

|                          |  |
|--------------------------|--|
| <b>Product Code</b>      | CSB-BP856363MO   |
| <b>Abbreviation</b>      | Tf   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | Q92111   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | V PDKTVKWCAV SEHENTKCIS FRDHMKTVLP PDGPRRLACVK KTSYPDCIKA<br>ISASEADAMT LDGGWVYDAG LTPNNLKPVA AEFYGSVEHP QTYYYAVAVV<br>KKGTDQFLNQ LEGKKSCHTG LGRSAGWVIP IGLLFCKLSE PRSPLEKAVS<br>SFFSGSCVPC ADPVAFPKLC QLCPGCGCSS TQPFFGYVGA FKCLKDGGGD<br>VAFVKHTTIF EVLPEKADRQ QYELLCLDNT RKPVDQYEDC YLARIPSHAV<br>VARKNNGKED LIWEILKVAQ EHFVGKSKD FQLFSSPLGK DLLFKDSAFG<br>LLRVPPRMDY RLYLGHNYVT AIRNQQEGVC PEGSIDNSPV KWCALSHLER<br>TKCDEWSIIS EGKIECESAE TTEDCIEKIV NGEADAMTLD GGHAYIAGQC<br>GLVPVMAEYY ESSNCAIPSQ QGIFPKGYA VAVVKASDTS ITWNNLKGKK<br>SCHTGVDRTA GWNIPMGMLY NRINHCKFDE FFSQGCAPGY EKNSTLCDLC<br>IGPLKCAPNN KEEYNGYTGA FRCLVEKGDV AFVKHQTVLD NTEGKNPAEW<br>AKNLKQEDFE LLCPDGTRKP VKDFASCHLA QAPNHVVVSR KEKAARVKAV<br>LTSQETLFGG SDCTGNFCLF KSTTKDLLFR DDTKCFVKLP EGTTPKEYLG<br>AEYMQSVGNM RKCSTSRLL EACTFHKH |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | Tf   |
| <b>Protein Names</b>     | Recommended name: Serotransferrin Short name= Transferrin Alternative name(s): Beta-1 metal-binding globulin Siderophilin  |
| <b>Expression Region</b> | 20-697   |
| <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>Target Details</b>    | This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also   |



have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum.

---

**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.