



Recombinant Rat Serotransferrin (Tf)

Product Code	CSB-EP023412RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P12346
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	V PDKTVKWCAV SEHENTKCIS FRDHMKTVLP ADGPRLACVK KTSYQDCIKA ISGGEADAIT LDGGWVYDAG LTPNNLKPVA AEFYGSLEHP QTHYLAVAVV KKGTFDFQLNQ LQGKKSCHTG LGRSAGWIIP IGLLFCNLPE PRKPLEKAVA SFFSGSCVPC ADPVAFPQLC QLCPGCGCSP TQPFFGYVGA FKCLRGGGGD VAFVKHTTIF EVLPQKADRQ QYELLCLDNT RKPVDQYEDC YLARIPSHAV VARNGDGKED LIWEILKVAQ EHFQKSKSD FQLFGSPLGK DLLFKDSAFG LLRVPPRMDY RLYLGHSYVT AIRNQREGVC PEGSIDSAPV KWCALSHQER AKCDEWSVSS NGQIECESAE STEDCIDKIV NGEADAMSLD GGHAYIAGQC GLVPVMAENY DISSCTNPQS DVFPKGYAV AVVKASDSSI NWNNLKGGKS CHTGVDRTAG WNIPMGLLFS RINHCKFDEF FSQGCAPGYK KNSTLCDLCI GPAKCAPNNR EGYNGYTGAF QCLVEKGDVA FVKHQTVLEN TNGKNTAAWA KDLKQEDFQL LCPDGTKKPV TEFATCHLAQ APNHVVVSRK EKAARVSTVL TAQKDLFWKG DKDCTGNFCL FRSSTKDLLF RDDTKCLTKL PEGTTYEEYL GAEYLQAVGN IRKCSTSRLLEACTFHKS
Source	E.coli
Target Names	Tf
Protein Names	Recommended name: Serotransferrin Short name= Transferrin Alternative name(s): Beta-1 metal-binding globulin Liver regeneration-related protein LRRG03 Siderophilin
Expression Region	20-698
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	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.