

Native Bovine TF Protein

Cat. No. TF-01B Lot. No. (See product label)

SPECIFICATION

Product Overview Native Bovine TF Protein

Species Bovine

Description

Transferrins are iron binding transport proteins which can bind two Fe³⁺ ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.

Form Sterile Filtered Pink lyophilized (freeze-dried) powder.

Molecular Mass 80 kDa

Purity > 97% as determined by Cellulose Acetate.

Applications

Bovine Transferrin is a crucial component for the cultivation of mammalian cells in-vitro. Bovine Transferrin is Critical for long-term cells growth in-vitro. Bovine Transferrin is used as detoxificant in media by binding contaminating metal ions. Bovine Transferrin is often used as a nutrient in fermentation media for recombinant protein and biopharmaceutical production. Additional common uses of Bovine Transferrin are Molecular weight, Affinity purification of anti-human transferrin antibodies and also as receptor mediated transfection of molecules such as DNA, into cells.

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Storage Lyophilized Bovine HTF although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution Bovine HTF should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. Please prevent freeze-thaw cycles.

Concentration 1 mg/mL

GENE INFORMATION

Gene Name TF transferrin [*Bos taurus* (cattle)]

Official Symbol TF

Synonyms TF; transferrin; serotransferrin; beta-1 metal-binding globulin; siderophilin

Gene ID 280705

mRNA Refseq NM_177484

Protein Refseq NP_803450

UniProt ID Q29443

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