

Native Rat Transferrin

Cat. No. Tf-264R Lot. No. (See product label)

SPECIFICATION

Species	Rat
Source	rat plasma
Description	<p>Transferrin is a monomeric glycoprotein found in plasma at an average concentration of 250 mg/100ml. The specific iron-binding protein in plasma, it has a role in the transportation and distribution of iron among the body organs, in iron metabolism and in prevention of iron loss via the kidney. Stored in bone marrow as TF-bound iron, it also possesses bacteriostatic and fungistatic activity. Clinically, decreases in transferrin are observed in congenital disorders, newborns, inflammatory diseases, hypo-proteinemias and nephritic syndrome; increases are found in pregnancy, iron-deficiency anemias and inoculation hepatitis. Transferrin is required by all types of cells in cultures for maximal growth. It is, therefore, an important factor used in defined culture media.</p>
Form	Lyophilized
Molecular Mass	MW: 80,000 by SDS PAGE
Purity	>= 98% by SDS-PAGE
Usage	For research or further manufacturing use only.
Stability	1 year

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Storage -20°C

Storage Buffer 20 mM Na phosphate, pH 7.4, 150 mM NaCl

GENE INFORMATION

Gene Name Tf transferrin [*Rattus norvegicus*]

Official Symbol Tf

Synonyms TF; transferrin; serotransferrin; siderophilin; beta-1 metal-binding globulin; liver regeneration-related protein LRRG03; Tfn; Trf; MGC93500;

Gene ID [24825](#)

mRNA Refseq [NM_001013110](#)

Protein Refseq [NP_001013128](#)

Pathway Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem;

Function ferric iron binding; ferric iron transmembrane transporter activity; metal ion binding;

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